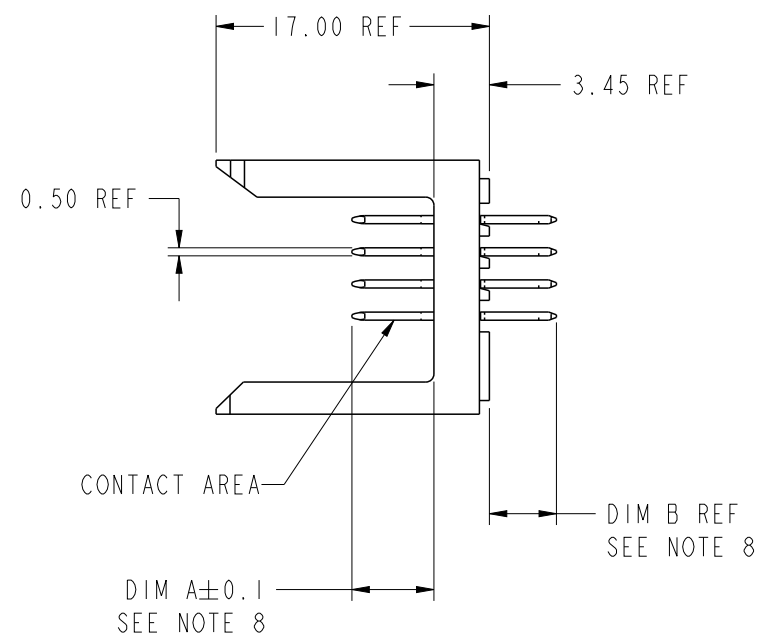
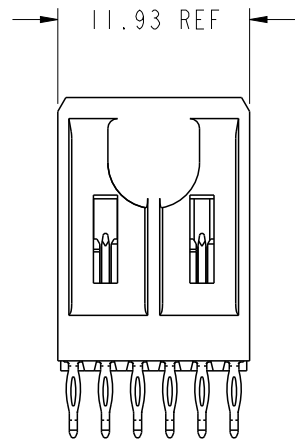
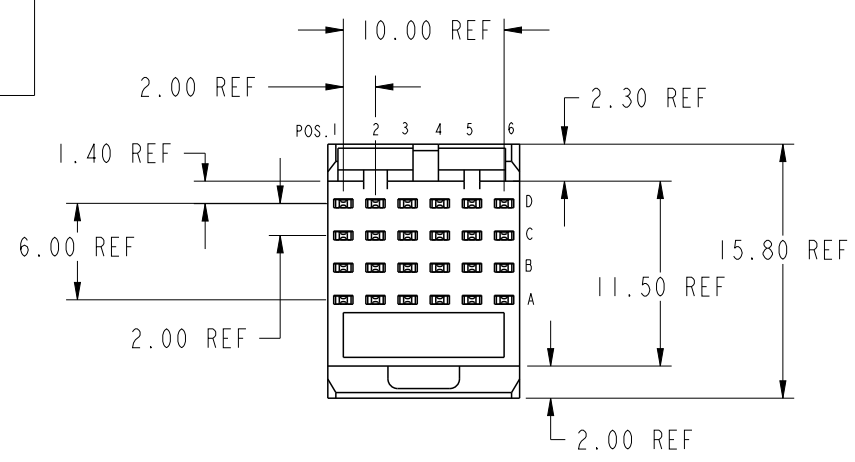




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|                                   |
|-----------------------------------|
| PRODUCT NUMBER                    |
| 89073-XXX<br>OR<br>89073-XXXX     |
| 89073-XXYLF<br>OR<br>89073-XXYYLF |

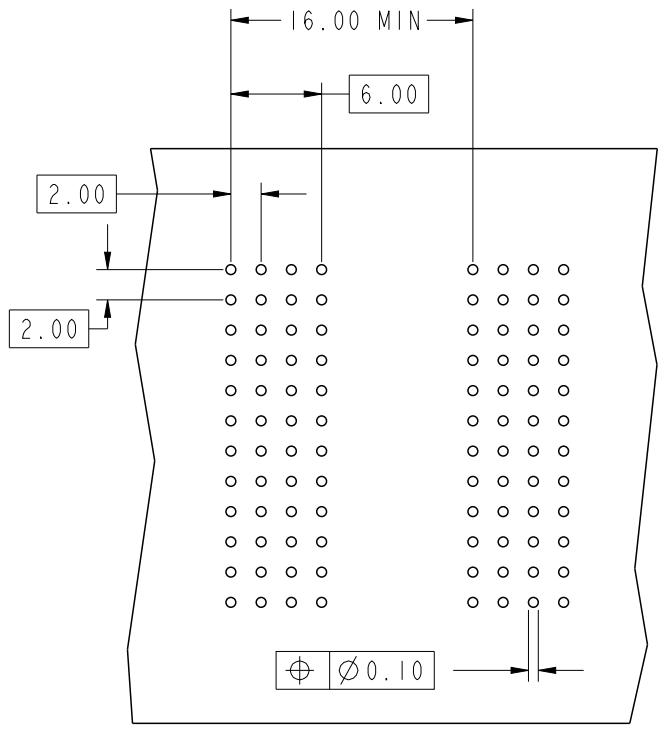


|               |                                       |      |                |            |                |                        |                        |                 |       |     |
|---------------|---------------------------------------|------|----------------|------------|----------------|------------------------|------------------------|-----------------|-------|-----|
| spec ref      | *                                     | dr   | Terran Huang   | 2010/07/08 | projection     | mm                     | size                   | A4              | scale | 2:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng  | Terran Huang   | 2011/08/11 |                |                        | ecn no                 | ELX-DG-004963-1 |       |     |
|               |                                       | chr  | -              | -          |                |                        | rel level              | Released        |       |     |
|               |                                       | appr | Pei-Ming Zheng | 2011/08/11 | product family | METRAL                 |                        |                 |       |     |
| surface       | 3.200 linear                          |      |                |            | title          | METRAL SIGNAL HEADER   | dwg no                 | 89073           | rev   | CE  |
|               |                                       |      |                |            |                | I MOD, 4 ROW PRESS-FIT |                        |                 |       |     |
|               | angular                               | 0°   | ±2°            |            | cat. no.       | -                      | Product - Customer Drw | sheet 1 of 10   |       |     |

PrintE File - REV C - 2009-06-09

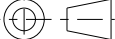


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REQUIRED PC BOARD LAYOUT  
COMPONENT SIDE  
SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

| KEY  |                 |                 |
|------|-----------------|-----------------|
| CODE | DIMENSIONS      |                 |
|      | DIM "A"<br>MATE | DIM "B"<br>TAIL |
| 1    | 5.00            | 4.30            |
| 2    | 5.75            | 4.30            |
| 3    | 6.50            | 4.30            |
| 4    | 7.25            | 4.30            |
| 5    | 5.00            | 13.60           |
| 6    | 5.75            | 13.60           |
| 7    | 6.50            | 13.60           |
| 8    | 7.25            | 13.60           |
| 11   | 6.50            | 17.00           |
| 12   | 7.25            | 17.00           |
| 13   | 8.25            | 4.30            |
| 14   | 8.25            | 13.60           |
| 19   | 8.00            | 4.30            |
| 20   | 8.00            | 13.60           |
| 22   | 5.00            | 12.10           |
| 23   | 8.00            | 17.70           |
| 24   | 6.50            | 16.30           |
| 25   | 5.75            | 15.60           |
| 26   | 5.00            | 14.90           |

|                      |                                       |      |                                                                                     |                                                      |            |                                                                                                     |                                                                                             |                        |           |      |       |
|----------------------|---------------------------------------|------|-------------------------------------------------------------------------------------|------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------|-----------|------|-------|
| spec ref *           |                                       |      |                                                                                     | dr Terran Huang 2010/07/08                           |            | projection<br> | mm<br> | size A4                | scale 2:1 |      |       |
| tolerance std        | TOLERANCES UNLESS OTHERWISE SPECIFIED |      |                                                                                     | eng Terran Huang 2011/08/11                          |            |                                                                                                     |                                                                                             | ecn no ELX-DG-004963-1 |           |      |       |
|                      |                                       |      |                                                                                     | chr - -                                              |            |                                                                                                     |                                                                                             | rel level Released     |           |      |       |
|                      |                                       |      |                                                                                     | appr Pei-Ming Zheng 2011/08/11                       |            |                                                                                                     |                                                                                             | product family METRAL  |           |      |       |
| surface 3.200 linear | 0.X                                   | ±0.3 |  | title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |            |                                                                                                     | dwg no 89073                                                                                | rev CE                 |           |      |       |
|                      |                                       |      |                                                                                     |                                                      |            |                                                                                                     |                                                                                             |                        |           | 0.XX | ±0.13 |
|                      |                                       |      |                                                                                     |                                                      |            |                                                                                                     |                                                                                             |                        |           |      |       |
|                      | angular                               | 0°   | ±2°                                                                                 | www.fci.com                                          | cat. no. - | Product - Customer Drw                                                                              |                                                                                             | sheet 2 of 10          |           |      |       |



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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X01<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | - | - | - | 3 | 3 |
|                                                 | C   | -                      | - | - | - | 3 | 3 |
|                                                 | B   | -                      | - | - | - | 3 | 3 |
|                                                 | A   | -                      | - | - | - | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |    |   |   |   |
|-------------------------------------------------|-----|------------------------|---|----|---|---|---|
|                                                 |     | 1                      | 2 | 3  | 4 | 5 | 6 |
| 89073-X02<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 19 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3  | 3 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3  | 3 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3  | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |    |   |
|-------------------------------------------------|-----|------------------------|---|---|---|----|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5  | 6 |
| 89073-X03<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3  | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3  | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3  | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 19 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X04<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X05<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | - | 3 | - | 3 | - |
|                                                 | C   | 3                      | - | 4 | - | 2 | - |
|                                                 | B   | 3                      | - | 3 | - | 3 | - |
|                                                 | A   | 3                      | - | 3 | - | 3 | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X06<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 4 | 1 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X07<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | - |
|                                                 | C   | -                      | 1 | - | 1 | - | 1 |
|                                                 | B   | 1                      | - | 1 | - | 1 | - |
|                                                 | A   | -                      | 1 | - | 1 | - | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X08<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 3 | 2 | 2 |
|                                                 | C   | 1                      | 1 | 1 | 3 | 2 | 2 |
|                                                 | B   | 1                      | 1 | 1 | 3 | 2 | 2 |
|                                                 | A   | 1                      | 1 | 1 | 3 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X09<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 6 | 6 | 6 | 7 |
|                                                 | C   | 6                      | 6 | 6 | 6 | 6 | 7 |
|                                                 | B   | 6                      | 6 | 6 | 6 | 6 | 7 |
|                                                 | A   | 6                      | 6 | 6 | 6 | 6 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X10<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | C   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 3                      | 3 | 1 | 1 | 1 | 1 |
|                                                 | A   | 3                      | 3 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X11<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 22                     | 22 | 22 | 22 | 22 | 22 |
|                                                 | C   | 22                     | 22 | 22 | 22 | 22 | 22 |
|                                                 | B   | 22                     | 22 | 22 | 22 | 22 | 22 |
|                                                 | A   | 22                     | 22 | 22 | 22 | 22 | 22 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X12<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | - | - |
|                                                 | C   | 3                      | 3 | 3 | 3 | - | - |
|                                                 | B   | 3                      | 3 | 3 | 3 | - | - |
|                                                 | A   | 3                      | 3 | 3 | 3 | - | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X13<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | - | 3 | 3 | 3 | 3 |
|                                                 | C   | -                      | - | 3 | 3 | 3 | 3 |
|                                                 | B   | -                      | - | 3 | 3 | 3 | 3 |
|                                                 | A   | -                      | - | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X14<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | 1 | - | 1 | - | 1 |
|                                                 | C   | 1                      | - | 1 | - | 1 | - |
|                                                 | B   | -                      | 1 | - | 1 | - | 1 |
|                                                 | A   | 1                      | - | 1 | - | 1 | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X15<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 2 | 4 | 4 | 4 | 19 |
|                                                 | C   | 19                     | 3 | 4 | 4 | 4 | 4  |
|                                                 | B   | 19                     | 3 | 4 | 4 | 4 | 4  |
|                                                 | A   | 19                     | 3 | 1 | 4 | 4 | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X16<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 3 | 4 | 3 | 3 |
|                                                 | C   | 4                      | 3 | 3 | 4 | 3 | 3 |
|                                                 | B   | 4                      | 3 | 3 | 4 | 3 | 3 |
|                                                 | A   | 4                      | 3 | 3 | 4 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X17<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | C   | 2                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 2                      | 3 | 3 | 1 | 1 | 1 |
|                                                 | A   | 2                      | 3 | 3 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X18<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | - |
|                                                 | C   | -                      | 2 | - | 1 | - | 3 |
|                                                 | B   | 1                      | - | 2 | - | 3 | - |
|                                                 | A   | -                      | 1 | - | 1 | - | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X19<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 2 | 2 | 1 | 1 | 1 |
|                                                 | C   | 1                      | 2 | 2 | 1 | 1 | 1 |
|                                                 | B   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |   |   |   |   |
|-------------------------------------------------|-----|------------------------|----|---|---|---|---|
|                                                 |     | 1                      | 2  | 3 | 4 | 5 | 6 |
| 89073-X20<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 19 | 1 | 1 | 1 | 1 |
|                                                 | C   | 19                     | 19 | 1 | 1 | 1 | 1 |
|                                                 | B   | 19                     | 19 | 1 | 1 | 1 | 1 |
|                                                 | A   | 19                     | 19 | 1 | 1 | 1 | 1 |

|               |                                       |       |                |            |                |          |                        |                        |                 |        |               |     |    |
|---------------|---------------------------------------|-------|----------------|------------|----------------|----------|------------------------|------------------------|-----------------|--------|---------------|-----|----|
| spec ref      | *                                     | dr    | Terran Huang   | 2010/07/08 | projection     |          | mm                     | size                   | A4              | scale  | 1:1           |     |    |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | Terran Huang   | 2011/08/11 |                |          |                        | ecn no                 | ELX-DG-004963-1 |        |               |     |    |
|               |                                       | chr   | -              | -          |                |          |                        | rel level              | Released        |        |               |     |    |
|               |                                       | appr  | Pei-Ming Zheng | 2011/08/11 | product family | METRAL   |                        |                        |                 |        |               |     |    |
| surface       | 3.200linear                           | 0.X   | ±0.3           |            | FCI            | title    | METRAL SIGNAL HEADER   |                        |                 | dwg no | 89073         | rev | CE |
|               |                                       | 0.XX  | ±0.13          |            |                |          | 1 MOD, 4 ROW PRESS-FIT |                        |                 |        |               |     |    |
|               |                                       | 0.XXX | ±.051          |            |                |          |                        |                        |                 |        |               |     |    |
|               | angular                               | 0°    | ±2°            |            | www.fci.com    | cat. no. | -                      | Product - Customer Drw |                 |        | sheet 3 of 10 |     |    |



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| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X21<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 5                      | 5 | 5 | 5 | 5 | 5 |
|                                                 | C   | 7                      | 7 | 7 | 7 | 7 | 7 |
|                                                 | B   | 5                      | 5 | 5 | 5 | 5 | 5 |
|                                                 | A   | 5                      | 5 | 5 | 5 | 5 | 5 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X26<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 1 | 1 | 1 | 3 |
|                                                 | C   | 3                      | 1 | 1 | 1 | 1 | 3 |
|                                                 | B   | 3                      | 1 | 1 | 1 | 1 | 3 |
|                                                 | A   | 3                      | 1 | 1 | 1 | 1 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X31<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | C   | 7                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | B   | 7                      | 7 | 7 | 7 | 7 | 8 |
|                                                 | A   | 7                      | 7 | 7 | 7 | 7 | 8 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X36<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 4 | 3 | 2 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X22<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 4 | 2 | 2 | 3 |
|                                                 | C   | 4                      | 3 | 4 | 2 | 2 | 3 |
|                                                 | B   | 4                      | 3 | 4 | 2 | 2 | 3 |
|                                                 | A   | 4                      | 3 | 4 | 1 | 4 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X27<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 4 | 4 | 3 | 3 |
|                                                 | C   | 19                     | 3 | 4 | 4 | 3 | 3 |
|                                                 | B   | 19                     | 3 | 4 | 4 | 3 | 3 |
|                                                 | A   | 19                     | 3 | 4 | 4 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X32<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 8 | 8 | 8 | 7 | 7 |
|                                                 | C   | 8                      | 8 | 8 | 8 | 7 | 7 |
|                                                 | B   | 8                      | 8 | 8 | 8 | 7 | 7 |
|                                                 | A   | 8                      | 8 | 8 | 8 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X37<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 7 | 7 | 8 | 7 | 7 |
|                                                 | C   | 8                      | 7 | 7 | 8 | 7 | 7 |
|                                                 | B   | 8                      | 7 | 7 | 8 | 7 | 7 |
|                                                 | A   | 8                      | 7 | 7 | 8 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X23<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | C   | 3                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | B   | 3                      | 1 | 1 | 1 | 1 | 1 |
|                                                 | A   | 3                      | 1 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |    |    |   |   |
|-------------------------------------------------|-----|------------------------|---|----|----|---|---|
|                                                 |     | 1                      | 2 | 3  | 4  | 5 | 6 |
| 89073-X28<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 19 | 19 | 3 | 3 |
|                                                 | C   | 19                     | 3 | 19 | 19 | 3 | 3 |
|                                                 | B   | 19                     | 3 | 19 | 19 | 3 | 3 |
|                                                 | A   | 19                     | 3 | 19 | 19 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |    |    |   |   |
|-------------------------------------------------|-----|------------------------|---|----|----|---|---|
|                                                 |     | 1                      | 2 | 3  | 4  | 5 | 6 |
| 89073-X33<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 19 | 19 | 4 | 4 |
|                                                 | C   | 19                     | 3 | 19 | 19 | 4 | 4 |
|                                                 | B   | 19                     | 3 | 19 | 19 | 4 | 4 |
|                                                 | A   | 19                     | 3 | 19 | 19 | 4 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X38<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 2 | 2 | 2 | 2 |
|                                                 | C   | 3                      | 4 | 2 | 2 | 2 | 2 |
|                                                 | B   | 3                      | 4 | 2 | 2 | 2 | 2 |
|                                                 | A   | 3                      | 4 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X24<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 3 | 3 | 3 | 1 |
|                                                 | C   | 19                     | 3 | 3 | 3 | 3 | 1 |
|                                                 | B   | 19                     | 3 | 3 | 3 | 3 | 2 |
|                                                 | A   | 19                     | 3 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X29<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 3 | 3 | 3 | 19 |
|                                                 | C   | 2                      | 3 | 3 | 3 | 3 | 19 |
|                                                 | B   | 2                      | 3 | 3 | 3 | 3 | 19 |
|                                                 | A   | 2                      | 3 | 3 | 3 | 3 | 19 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X34<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | C   | 3                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 3                      | 2 | 2 | 2 | 1 | 2 |
|                                                 | A   | 3                      | 2 | 2 | 2 | 3 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |    |   |   |
|-------------------------------------------------|-----|------------------------|---|---|----|---|---|
|                                                 |     | 1                      | 2 | 3 | 4  | 5 | 6 |
| 89073-X39<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 19 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 3  | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 3  | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 3  | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |    |
|-------------------------------------------------|-----|------------------------|---|---|---|---|----|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6  |
| 89073-X25<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 19                     | 3 | 3 | 3 | 3 | 19 |
|                                                 | C   | 19                     | 3 | 3 | 3 | 3 | 3  |
|                                                 | B   | 19                     | 3 | 3 | 3 | 3 | 3  |
|                                                 | A   | 19                     | 3 | 3 | 3 | 3 | 3  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X30<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 4 |
|                                                 | C   | 3                      | 3 | 3 | 3 | 3 | 4 |
|                                                 | B   | 3                      | 3 | 3 | 3 | 3 | 4 |
|                                                 | A   | 3                      | 3 | 3 | 3 | 3 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X35<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | - | 3 | 3 | - |
|                                                 | C   | -                      | - | - | - | - | - |
|                                                 | B   | -                      | - | - | - | - | - |
|                                                 | A   | 3                      | 3 | - | 3 | 3 | - |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X40<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 4 | 3 | 2 | 2 |
|                                                 | C   | 3                      | 4 | 4 | 3 | 2 | 2 |
|                                                 | B   | 3                      | 4 | 4 | 3 | 2 | 2 |
|                                                 | A   | 3                      | 4 | 4 | 3 | 2 | 2 |

|               |                                       |       |                |             |                |                      |                        |                 |       |     |
|---------------|---------------------------------------|-------|----------------|-------------|----------------|----------------------|------------------------|-----------------|-------|-----|
| spec ref      | *                                     | dr    | Terran Huang   | 2010/07/08  | projection     |                      | size                   | A4              | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | Terran Huang   | 2011/08/11  |                |                      | ecn no                 | ELX-DG-004963-1 |       |     |
|               |                                       | chr   | -              | -           |                |                      | rel level              | Released        |       |     |
|               |                                       | appr  | Pei-Ming Zheng | 2011/08/11  | product family | METRAL               |                        |                 |       |     |
| surface       | 3.200linear                           | 0.X   | ±0.3           |             | title          | METRAL SIGNAL HEADER | dwg no                 | 89073           | rev   | CE  |
|               |                                       | 0.XX  | ±0.13          |             |                |                      |                        |                 |       |     |
|               |                                       | 0.XXX | ±.051          |             |                |                      |                        |                 |       |     |
|               | angular                               | 0°    | ±2°            | www.fci.com | cat. no.       | -                    | Product - Customer Drw | sheet 4 of 10   |       |     |

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A

B

C

D

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X61<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 2 | 2 | 3 | 3 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X62<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 7                      | 8 | 6 | 8 | 7 | 7 |
|                                                 | C   | 7                      | 8 | 6 | 8 | 7 | 7 |
|                                                 | B   | 7                      | 8 | 6 | 8 | 7 | 7 |
|                                                 | A   | 7                      | 8 | 6 | 8 | 7 | 7 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X63<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 2 | 2 | 1 | 2 | 2 |
|                                                 | C   | 1                      | 2 | 2 | 1 | 2 | 2 |
|                                                 | B   | 1                      | 2 | 2 | 1 | 2 | 2 |
|                                                 | A   | 1                      | 2 | 2 | 1 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X64<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 1 | 3 | 3 |
|                                                 | C   | 3                      | 3 | 3 | 1 | 3 | 3 |
|                                                 | B   | 3                      | 3 | 3 | 1 | 3 | 3 |
|                                                 | A   | 3                      | 3 | 3 | 1 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X65<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 4 | 4 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 4 | 4 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 4 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X66<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 4 | 4 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 4 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X67<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 3 | 3 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 3 | 3 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 3 | 3 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X68<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | C   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | B   | 4                      | 4 | 4 | 4 | 4 | 2 |
|                                                 | A   | 4                      | 4 | 4 | 4 | 4 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X69<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 3 | 3 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 3 | 3 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 3 | 3 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X70<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4  | 4  | 4  | 4  | 4  |
|                                                 | C   | 19                     | 19 | 19 | 19 | 19 | 19 |
|                                                 | B   | 4                      | 4  | 4  | 4  | 4  | 4  |
|                                                 | A   | 19                     | 19 | 19 | 4  | 4  | 4  |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X71<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 3 | 2 | 4 | 2 |
|                                                 | C   | 2                      | 3 | 3 | 2 | 4 | 2 |
|                                                 | B   | 2                      | 3 | 3 | 2 | 4 | 2 |
|                                                 | A   | 2                      | 3 | 3 | 2 | 4 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X72<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | C   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | B   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | A   | 4                      | 2 | 2 | 2 | 2 | 4 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X73<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | - | 1 | - | 1 | - |
|                                                 | C   | -                      | 1 | - | 1 | - | 1 |
|                                                 | B   | 1                      | - | 1 | - | 1 | - |
|                                                 | A   | -                      | 1 | - | 1 | - | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X74<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3 | 3 | 3 |
|                                                 | C   | 4                      | 4 | 4 | 3 | 3 | 3 |
|                                                 | B   | 4                      | 3 | 4 | 3 | 3 | 3 |
|                                                 | A   | 4                      | 4 | 4 | 3 | 3 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|-------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                 |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X75<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 11                     | 11 | 11 | 11 | 11 | 11 |
|                                                 | C   | 12                     | 12 | 12 | 11 | 11 | 11 |
|                                                 | B   | 12                     | 11 | 12 | 11 | 11 | 11 |
|                                                 | A   | 12                     | 12 | 12 | 11 | 11 | 11 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X76<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 1 | 1 | 2 | 3 | 1 |
|                                                 | C   | 2                      | 1 | 1 | 2 | 2 | 1 |
|                                                 | B   | 2                      | 1 | 1 | 2 | 2 | 1 |
|                                                 | A   | 2                      | 1 | 1 | 2 | 2 | 1 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X77<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 1                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | C   | 1                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | B   | 1                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | A   | 1                      | 3 | 2 | 3 | 2 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X78<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 3 | 2 | 2 | 2 |
|                                                 | C   | 2                      | 2 | 3 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 3 | 2 | 2 | 2 |
|                                                 | A   | 2                      | 2 | 3 | 2 | 2 | 2 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X79<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | C   | 2                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | B   | 2                      | 3 | 2 | 3 | 2 | 3 |
|                                                 | A   | 2                      | 3 | 2 | 3 | 2 | 3 |

| METRAL<br>P/N                                   | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                 |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X80<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | C   | 2                      | 2 | 2 | 2 | 2 | 2 |
|                                                 | B   | 2                      | 2 | 2 | 2 | 2 | 4 |
|                                                 | A   | 2                      | 2 | 2 | 2 | 2 | 2 |

|               |                                       |      |                |            |                |        |           |                 |       |     |
|---------------|---------------------------------------|------|----------------|------------|----------------|--------|-----------|-----------------|-------|-----|
| spec ref      | *                                     | dr   | Terran Huang   | 2010/07/08 | projection     | mm     | size      | A4              | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng  | Terran Huang   | 2011/08/11 |                |        | ecn no    | ELX-DG-004963-1 |       |     |
|               |                                       | chr  | -              | -          |                |        | rel level | Released        |       |     |
| surface       | 3.200 linear                          | appr | Pei-Ming Zheng | 2011/08/11 | product family | METRAL | dwg no    | 89073           |       |     |
|               | 0.X ±0.3                              |      |                |            |                |        |           | rev             |       |     |
|               | 0.XX ±0.13                            |      |                |            |                |        |           | CE              |       |     |
|               | 0.XXX ±.051                           |      |                |            |                |        |           |                 |       |     |
|               | angular 0° ±2°                        |      |                |            |                |        |           |                 |       |     |



title METRAL SIGNAL HEADER  
1 MOD, 4 ROW PRESS-FIT  
cat. no. -

Product - Customer Drw

sheet 6 of 10



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| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X81<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 2                      | 4 | 2 | 4 | 2 | 4 | 2 |
|                                                 |  | C   | 2                      | 4 | 2 | 2 | 4 | 2 |   |
|                                                 |  | B   | 2                      | 4 | 2 | 2 | 4 | 2 |   |
|                                                 |  | A   | 2                      | 4 | 2 | 2 | 4 | 2 |   |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X86<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | 1 | 1 | 1 | 3 | 3 |
|                                                 |  | C   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 |  | B   | 1                      | 1 | 1 | 1 | 1 | 1 |
|                                                 |  | A   | 1                      | 1 | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X91<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | 9 | 3 | 3 | 3 | 3 | 3 |
|                                                 |  | C   | 1                      | 9 | 3 | 3 | 2 | 3 | 3 |
|                                                 |  | B   | 1                      | 9 | 3 | 3 | 3 | 3 | 3 |
|                                                 |  | A   | 1                      | 9 | 3 | 1 | 3 | 3 | 3 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X96<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 2                      | - | 2 | - | 2 | 2 | 2 |
|                                                 |  | C   | -                      | 2 | - | 2 | - | 2 | 2 |
|                                                 |  | B   | 2                      | - | 2 | - | 2 | 2 | 2 |
|                                                 |  | A   | -                      | 2 | - | 2 | - | 2 | 2 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X82<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 2                      | 2 | 4 | 4 | 4 | 4 | 4 |
|                                                 |  | C   | 2                      | 2 | 4 | 2 | 2 | 4 | 4 |
|                                                 |  | B   | 2                      | 2 | 4 | 2 | 2 | 4 | 4 |
|                                                 |  | A   | 2                      | 2 | 4 | 2 | 2 | 4 | 4 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X87<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 2                      | - | 2 | 2 | 2 | - | - |
|                                                 |  | C   | 2                      | - | - | - | 2 | - | - |
|                                                 |  | B   | -                      | - | - | - | 2 | - | - |
|                                                 |  | A   | 2                      | 2 | 2 | 2 | 2 | - | - |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X92<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | 9 | 2 | 3 | 3 | 3 | 3 |
|                                                 |  | C   | 1                      | 9 | 3 | 3 | 3 | 3 | 3 |
|                                                 |  | B   | 1                      | 9 | 3 | 3 | 3 | 3 | 3 |
|                                                 |  | A   | 1                      | 9 | 3 | 1 | 3 | 3 | 3 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X97<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 6                      | 6 | 6 | 6 | 6 | 6 | 6 |
|                                                 |  | C   | 6                      | 6 | 6 | 6 | 6 | 6 | 6 |
|                                                 |  | B   | 6                      | 6 | 6 | 6 | 6 | 6 | 8 |
|                                                 |  | A   | 6                      | 6 | 6 | 6 | 6 | 6 | 6 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X83<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 3                      | 3 | 4 | 4 | 3 | 3 | 3 |
|                                                 |  | C   | 3                      | 3 | 4 | 4 | 3 | 3 | 3 |
|                                                 |  | B   | 3                      | 3 | 4 | 4 | 3 | 3 | 3 |
|                                                 |  | A   | 3                      | 3 | 4 | 4 | 3 | 3 | 3 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X88<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | - | - | 1 | 1 | 1 | 1 |
|                                                 |  | C   | -                      | - | - | 1 | 1 | 1 | 1 |
|                                                 |  | B   | -                      | - | - | 1 | 1 | 1 | 1 |
|                                                 |  | A   | 1                      | - | - | 1 | 1 | 1 | 1 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |   |   |   |   |   |
| 89073-X93<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 2                      | 6 | 2 | 3 | 2 | 5 | 2 | 3 | 1 | 2 | 1 | 2 |
|                                                 |  | C   | 2                      | 3 | 2 | 3 | 2 | 5 | 2 | 3 | 1 | 2 | 1 | 2 |
|                                                 |  | B   | 2                      | 4 | 2 | 3 | 2 | 5 | 2 | 3 | 1 | 2 | 1 | 2 |
|                                                 |  | A   | 2                      | 3 | 2 | 3 | 2 | 5 | 2 | 3 | 1 | 2 | 1 | 2 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X98<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 6                      | 7 | 7 | 6 | 8 | 8 | 8 |
|                                                 |  | C   | 6                      | 7 | 7 | 6 | 8 | 8 | 8 |
|                                                 |  | B   | 6                      | 7 | 7 | 6 | 8 | 8 | 8 |
|                                                 |  | A   | 6                      | 7 | 7 | 6 | 8 | 8 | 8 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X84<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | - | 1 | - | 1 | - | - |
|                                                 |  | C   | 1                      | 1 | - | 1 | - | 1 | - |
|                                                 |  | B   | 1                      | - | 1 | - | 1 | - | - |
|                                                 |  | A   | 1                      | 1 | - | 1 | - | 1 | - |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X89<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 3                      | 3 | 2 | 2 | 2 | 2 | 2 |
|                                                 |  | C   | 3                      | 3 | 2 | 2 | 2 | 2 | 2 |
|                                                 |  | B   | 3                      | 3 | 2 | 2 | 2 | 2 | 2 |
|                                                 |  | A   | 3                      | 3 | 2 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X94<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | 1 | 1 | 1 | 1 | 1 | 1 |
|                                                 |  | C   | 1                      | 1 | 1 | 1 | 1 | 1 | 1 |
|                                                 |  | B   | 3                      | 3 | 3 | 3 | 1 | 1 | 1 |
|                                                 |  | A   | 3                      | 3 | 3 | 3 | 1 | 1 | 1 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X95<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | - | 1 | - | 1 | 1 | 1 |
|                                                 |  | C   | -                      | 1 | - | 1 | - | 1 | 1 |
|                                                 |  | B   | 1                      | - | 1 | - | 1 | 1 | 1 |
|                                                 |  | A   | -                      | 1 | - | 1 | - | 1 | 1 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X99<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 3                      | 3 | 3 | 3 | 3 | 3 | 3 |
|                                                 |  | C   | 4                      | 4 | 4 | 2 | 4 | 2 | 2 |
|                                                 |  | B   | 4                      | 3 | 4 | 2 | 4 | 2 | 2 |
|                                                 |  | A   | 3                      | 4 | 4 | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |   |
| 89073-X85<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | 1 | 1 | 1 | 3 | 3 | 3 |   |
|                                                 |  | C   | 1                      | 9 | 1 | 9 | 1 | 9 | 1 | 9 |
|                                                 |  | B   | 1                      | 9 | 1 | 9 | 1 | 9 | 1 | 9 |
|                                                 |  | A   | 1                      | 9 | 1 | 9 | 1 | 9 | 1 | 9 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X90<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 3                      | 3 | 3 | 3 | 1 | 1 | 9 |
|                                                 |  | C   | 3                      | 3 | 3 | 3 | 2 | 1 | 9 |
|                                                 |  | B   | 3                      | 3 | 3 | 3 | 3 | 1 | 9 |
|                                                 |  | A   | 3                      | 3 | 3 | 3 | 3 | 1 | 9 |

| METRAL<br>P/N                                   |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|-------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                 |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X96<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 1                      | - | 1 | - | 1 | 1 | 1 |
|                                                 |  | C   | -                      | 1 | - | 1 | - | 1 | 1 |
|                                                 |  | B   | 1                      | - | 1 | - | 1 | 1 | 1 |
|                                                 |  | A   | -                      | 1 | - | 1 | - | 1 | 1 |

| METRAL<br>P/N                                    |  | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |   |
|--------------------------------------------------|--|-----|------------------------|---|---|---|---|---|---|
|                                                  |  |     | 1                      | 2 | 3 | 4 | 5 | 6 |   |
| 89073-X100<br>SEE NOTE 11<br>LEAD FREE<br>OPTION |  | D   | 4                      | 4 | 4 | 4 | 2 | 4 | 4 |
|                                                  |  | C   | 4                      | 4 | 4 | 4 | 2 | 4 | 4 |
|                                                  |  | B   | 4                      | 4 | 4 | 4 | 2 | 4 | 4 |
|                                                  |  | A   | 4                      | 4 | 4 | 4 | 2 | 4 | 4 |



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| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X101<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | C   | 2                      | 1 | 2 | 2 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 3                      | 3 | 3 | 3 | 3 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5  |
| 89073-X102<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 8 | 8 | 6 | 20 |
|                                                  | C   | 6                      | 8 | 8 | 6 | 20 |
|                                                  | B   | 6                      | 8 | 8 | 6 | 20 |
|                                                  | A   | 6                      | 8 | 8 | 6 | 20 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |    |
|--------------------------------------------------|-----|------------------------|---|---|---|----|
|                                                  |     | 1                      | 2 | 3 | 4 | 5  |
| 89073-X103<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 4 | 4 | 2 | 19 |
|                                                  | C   | 2                      | 4 | 4 | 2 | 19 |
|                                                  | B   | 2                      | 4 | 4 | 2 | 19 |
|                                                  | A   | 2                      | 4 | 4 | 2 | 19 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X104<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | C   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | B   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | A   | 8                      | 6 | 6 | 6 | 6 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X105<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 1 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X106<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 |
|                                                  | C   | 4                      | 2 | 2 | 2 | 2 |
|                                                  | B   | 4                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 4                      | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X107<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 4 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 4 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X108<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 3 |
|                                                  | C   | 2                      | 2 | 2 | 2 | 3 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X109<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 3 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X110<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 3 | 2 | 4 |
|                                                  | C   | 2                      | 3 | 3 | 2 | 4 |
|                                                  | B   | 2                      | 3 | 3 | 2 | 4 |
|                                                  | A   | 2                      | 3 | 3 | 2 | 4 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X111<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 4 | 4 | 2 |
|                                                  | C   | 2                      | 2 | 4 | 4 | 2 |
|                                                  | B   | 2                      | 2 | 4 | 4 | 2 |
|                                                  | A   | 2                      | 2 | 4 | 4 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X112<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 3 | 2 | 2 |
|                                                  | C   | 4                      | 2 | 3 | 2 | 2 |
|                                                  | B   | 4                      | 3 | 2 | - | 2 |
|                                                  | A   | 4                      | 3 | 1 | - | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X113<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 4 | 2 | 2 | 3 |
|                                                  | C   | 3                      | 4 | 2 | 2 | 3 |
|                                                  | B   | 3                      | 4 | 2 | 2 | 3 |
|                                                  | A   | 3                      | 4 | 2 | 2 | - |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X114<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 8 | 6 | 6 |
|                                                  | C   | 6                      | 6 | 8 | 6 | 6 |
|                                                  | B   | 6                      | 6 | 8 | 6 | 6 |
|                                                  | A   | 6                      | 6 | 8 | 6 | 6 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X115<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | C   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | B   | 8                      | 6 | 6 | 6 | 6 |
|                                                  | A   | 8                      | 6 | 6 | 6 | 6 |

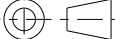
| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X116<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | -                      | 6 | 7 | 7 | 6 |
|                                                  | C   | -                      | 6 | 7 | 7 | 6 |
|                                                  | B   | -                      | 6 | 7 | 7 | 6 |
|                                                  | A   | -                      | 6 | 7 | 7 | 6 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |    |   |
|--------------------------------------------------|-----|------------------------|---|---|----|---|
|                                                  |     | 1                      | 2 | 3 | 4  | 5 |
| 89073-X117<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 3  | 3 |
|                                                  | C   | 3                      | 3 | 3 | 19 | 3 |
|                                                  | B   | 3                      | 3 | 3 | 3  | 3 |
|                                                  | A   | 3                      | 3 | 3 | 3  | 3 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X118<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 2 | 2 | 3 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 3 | 2 |
|                                                  | B   | 2                      | 2 | 2 | 3 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 3 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X119<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 3 | 2 | 2 |
|                                                  | C   | 3                      | 3 | 3 | 2 | 2 |
|                                                  | B   | 3                      | 3 | 3 | 2 | 2 |
|                                                  | A   | 3                      | 3 | 3 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 |
| 89073-X120<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 6                      | 6 | 5 | 5 | 7 |
|                                                  | C   | 6                      | 6 | 6 | 6 | 7 |
|                                                  | B   | 6                      | 6 | 6 | 6 | 7 |
|                                                  | A   | 6                      | 6 | 6 | 6 | 7 |

|                                                                                                         |         |                                       |        |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |           |             |  |
|---------------------------------------------------------------------------------------------------------|---------|---------------------------------------|--------|-------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------|-----------|-------------|--|
| spec ref *                                                                                              |         |                                       |        | dr Terran Huang2010/07/08                                                           |                                                      | projection  | mm  | size A4                | scale 1:1 |             |  |
| tolerance std                                                                                           |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |                                                                                     |                                                      |                                                                                                  |                                                                                          | ecn no ELX-DG-004963-1 |           |             |  |
|                                                                                                         |         | eng Terran Huang2011/08/11            |        | -                                                                                   |                                                      |                                                                                                  |                                                                                          | rel level Released     |           |             |  |
|                                                                                                         |         | chr -                                 |        | -                                                                                   |                                                      |                                                                                                  |                                                                                          | product family METRAL  |           |             |  |
|                                                                                                         |         | appr Pei-Ming Zheng2011/08/11         |        |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |           |             |  |
| surface 3.200linear  |         | 0.X                                   | ±0.3   |  | title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT |                                                                                                  |                                                                                          | dwg no 89073           | rev CE    |             |  |
|                                                                                                         |         | 0.XX                                  | ±0.13  |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |           |             |  |
|                                                                                                         |         | 0.XXX                                 | ±0.051 |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |           |             |  |
|                                                                                                         | angular | 0°                                    | ±2°    |                                                                                     |                                                      |                                                                                                  |                                                                                          |                        |           | www.fci.com |  |



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| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X121<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 3 | 4 | 3 | 4 | 2 |
|                                                  | C   | 3                      | 3 | 4 | 3 | 4 | 2 |
|                                                  | B   | 3                      | 3 | 4 | 3 | 4 | 2 |
|                                                  | A   | 3                      | 3 | 4 | 3 | 4 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X122<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 4 | 2 | 4 | 2 | 2 |
|                                                  | C   | 2                      | 2 | 2 | 4 | 4 | 4 |
|                                                  | B   | 4                      | 4 | 2 | 4 | 2 | 2 |
|                                                  | A   | 2                      | 2 | 2 | 4 | 4 | 4 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X123<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 2 | 2 | 2 | 2 |
|                                                  | C   | 2                      | 3 | 2 | 2 | 2 | 2 |
|                                                  | B   | 2                      | 3 | 2 | 2 | 2 | 2 |
|                                                  | A   | 2                      | 3 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X124<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 2                      | 3 | 2 | 3 | 2 | 2 |
|                                                  | C   | 2                      | 3 | 2 | 3 | 2 | 2 |
|                                                  | B   | 2                      | 3 | 2 | 3 | 2 | 2 |
|                                                  | A   | 2                      | 3 | 2 | 3 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X125<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 3 | 3 | 3 | 3 | 4 |
|                                                  | C   | 4                      | 3 | 3 | 3 | 3 | 4 |
|                                                  | B   | 4                      | 3 | 3 | 3 | 3 | 4 |
|                                                  | A   | 4                      | 3 | 3 | 3 | 3 | 4 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X126<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 4                      | 2 | 2 | 2 | 2 | 2 |
|                                                  | C   | 4                      | 2 | 2 | 2 | 2 | 2 |
|                                                  | B   | 4                      | 2 | 2 | 2 | 2 | 4 |
|                                                  | A   | 4                      | 2 | 2 | 2 | 2 | 2 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |    |    |    |    |    |
|--------------------------------------------------|-----|------------------------|----|----|----|----|----|
|                                                  |     | 1                      | 2  | 3  | 4  | 5  | 6  |
| 89073-X127<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 25                     | 23 | 23 | 23 | 23 | 23 |
|                                                  | C   | 23                     | 23 | 23 | 23 | 23 | 23 |
|                                                  | B   | 23                     | 23 | 23 | 23 | 23 | 23 |
|                                                  | A   | 23                     | 23 | 23 | 23 | 23 | 23 |

| METRAL<br>P/N                                    | ROW | CONTACT CODE<br>MOD. I |   |   |   |   |   |
|--------------------------------------------------|-----|------------------------|---|---|---|---|---|
|                                                  |     | 1                      | 2 | 3 | 4 | 5 | 6 |
| 89073-X128<br>SEE NOTE 11<br>LEAD FREE<br>OPTION | D   | 3                      | 2 | 1 | 1 | 1 | 1 |
|                                                  | C   | 3                      | 2 | 1 | 1 | 1 | 1 |
|                                                  | B   | 3                      | 2 | 1 | 1 | 1 | 1 |
|                                                  | A   | 3                      | 2 | 1 | 1 | 1 | 1 |

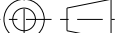


A

B

C

D

|                      |                                       |        |                                                                                     |                                                      |              |                                                                                                     |                                                                                             |                                   |           |
|----------------------|---------------------------------------|--------|-------------------------------------------------------------------------------------|------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------|-----------|
| spec ref *           |                                       |        |                                                                                     | dr Terran Huang 2010/07/08                           |              | projection<br> | mm<br> | size A4                           | scale 1:1 |
| tolerance std        | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |                                                                                     | eng Terran Huang 2011/08/11                          |              |                                                                                                     |                                                                                             | ecn no ELX-DG-004963-1            |           |
|                      |                                       |        |                                                                                     | chr - -                                              |              |                                                                                                     |                                                                                             | rel level Released                |           |
|                      |                                       |        |                                                                                     | appr Pei-Ming Zheng 2011/08/11                       |              | product family METRAL                                                                               |                                                                                             |                                   |           |
| surface 3.200 linear | 0.X                                   | ±0.3   |  | title METRAL SIGNAL HEADER<br>1 MOD, 4 ROW PRESS-FIT | dwg no 89073 | rev CE                                                                                              |                                                                                             |                                   |           |
|                      | 0.XX                                  | ±0.13  |                                                                                     |                                                      |              |                                                                                                     |                                                                                             |                                   |           |
|                      | 0.XXX                                 | ±0.051 |                                                                                     |                                                      |              |                                                                                                     |                                                                                             |                                   |           |
|                      | angular                               | 0°     | ±2°                                                                                 |                                                      |              |                                                                                                     | www.fci.com                                                                                 | cat. no. - Product - Customer Drw |           |



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#### NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:  
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:  
55422 -XYX IS SnPb  
55422 -XYLF IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE  
LEVEL SHOWN IN TABLE.
- PRODUCT MARKING:  
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN  
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.  
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"  
WILL BE ADDED TO THE END OF THE PART NUMBER.  
EXAMPLE: XXXXX-XXXP OR XXXXX-XXXXP,  
XXXXX-XXXPLF OR XXXXX-XXXXPLF
- PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH  
QUALIFIED TOOL.
- A PLATING HAS Au FLASH IN PRESS FIT  
AREA (LEAD FREE).
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE  
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS  
AS DESCRIBED IN GS-22-008.  
  
ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING  
(DRAWING NO.)-NI--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE  
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR  
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-NI---  
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT  
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR  
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
- FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 89073-X0ILF

#### PLATING IN CONTACT AREA

| DASH NUMBER         | PERFORMANCE LEVEL                 | NOTES       |
|---------------------|-----------------------------------|-------------|
| -Ayy OR -AYyy       | TELCORDIA CO                      | SEE NOTE 9  |
| -NIyy OR -NIyyY     | TELCORDIA CO (NXT)                | -           |
| -N5yy OR N5Yyy      | TELCORDIA UE (NXT)                | -           |
| -Iyy OR -IYyy       | TELCORDIA CO                      | -           |
| -2Yy OR -2Yyy       | TELECOM CLASS                     | -           |
| -3Yy OR -3Yyy       | IEC CLASS I                       | -           |
| -5Yy OR -5Yyy       | TELCORDIA UE                      | -           |
| -9Yy OR -9Yyy       | TELCORDIA CO                      | -           |
| -AYyLF OR -AYyyLF   | TELCORDIA CO                      | SEE NOTE 10 |
| -NIyyLF OR -NIyyYLF | TELCORDIA CO (NXT)<br>IEC CLASS I | SEE NOTE 10 |
| -N5yyLF OR N5YyyLF  | TELCORDIA UE (NXT)                | SEE NOTE 10 |
| -IyyLF OR -IYyyLF   | TELCORDIA CO<br>IEC CLASS I       | SEE NOTE 10 |
| -2YyLF OR -2YyyLF   | TELECOM CLASS                     | SEE NOTE 10 |
| -5YyLF OR -5YyyLF   | TELCORDIA UE                      | SEE NOTE 10 |

|               |                                       |       |              |             |                            |        |                        |                 |       |       |
|---------------|---------------------------------------|-------|--------------|-------------|----------------------------|--------|------------------------|-----------------|-------|-------|
| spec ref      | *                                     | dr    | Terran Huang | 2010/07/08  | projection                 | mm     | size                   | A4              | scale | 53:50 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | Terran Huang | 2011/08/11  |                            |        | ecn no                 | ELX-DG-004963-1 |       |       |
|               |                                       | chr   | -            | -           | product family             | METRAL | rel level              | Released        |       |       |
| surface       | 3.200 linear                          | 0.X   | ±0.3         |             | title METRAL SIGNAL HEADER |        |                        | dwg no 89073    |       |       |
|               |                                       | 0.XX  | ±0.13        |             |                            |        |                        |                 |       |       |
|               |                                       | 0.XXX | ±0.051       |             |                            |        |                        |                 |       |       |
|               | angular                               | 0°    | ±2°          | www.fci.com | cat. no.                   | -      | Product - Customer Drw | sheet 10 of 10  |       |       |
|               |                                       |       |              |             |                            |        |                        |                 | rev   | CE    |