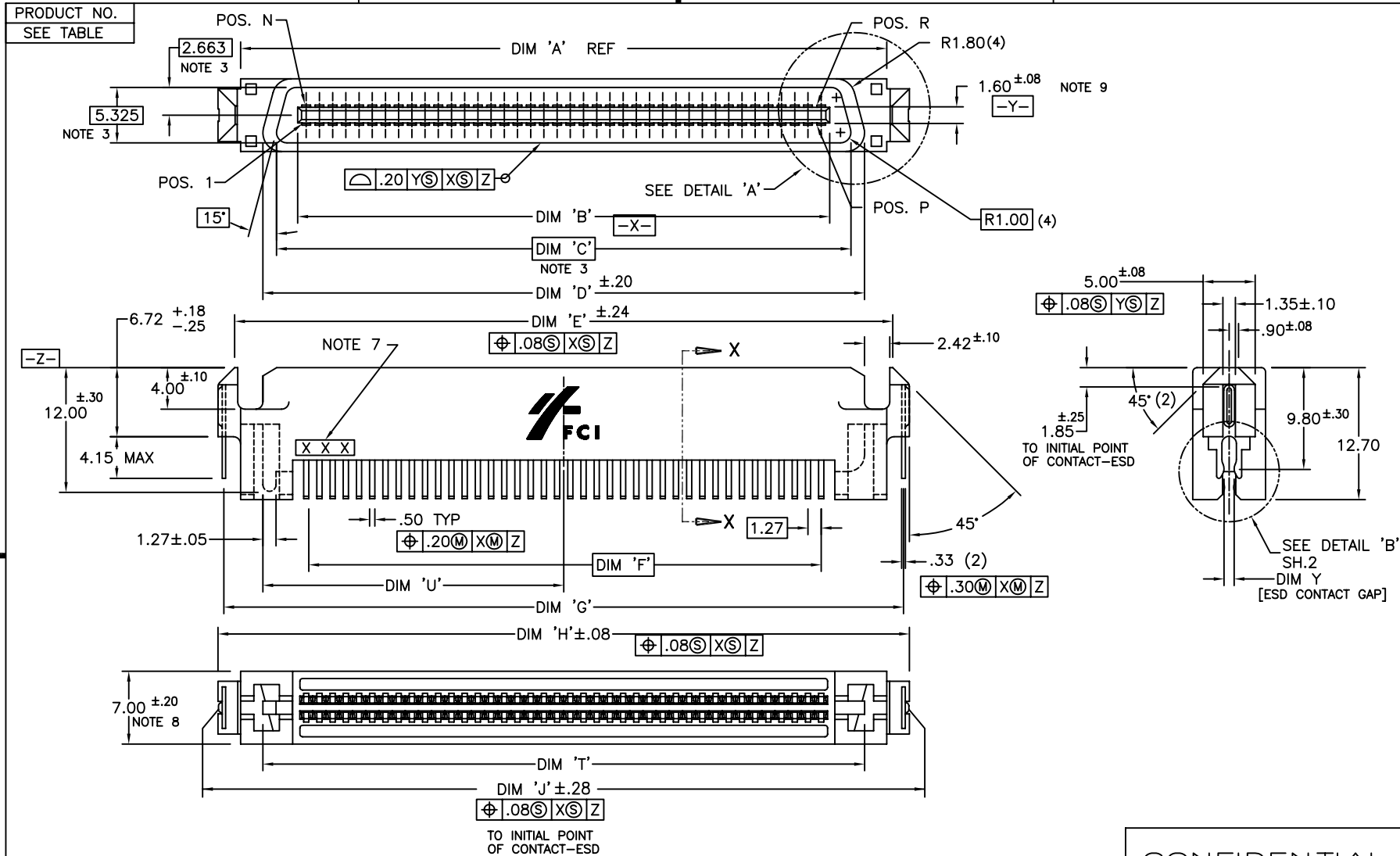


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|-------------|----------|-----|----------|---------------------------------------|-----------|---------|------------|---------------|---|---------------------|--|--|--|
| ltr         | ecn no   | dr  | date     | linear                                | .XX       | ±.13    | projection | MM            | A | www.fciconnect.com  |  |  |  |
| L           | S10131   | GLL | 11/12/01 | linear                                | .XX       | ±.13    | projection |               |   | title               |  |  |  |
| M           | S20041   | GLL | 4/22/02  | linear                                | .XXX      | ±.051   | projection | MM            | A | SCA2 PLUG CONNECTOR |  |  |  |
| N           | S03-0049 | GLL | 4/03/03  | angles                                | 0°        | ±2°     | projection |               |   | STRADDLE MOUNT      |  |  |  |
| P           | S04-0058 | GLL | 3/30/04  | dr                                    | FUSSELMAN | 9/22/95 | projection | MM            | A | product family      |  |  |  |
| R           | S04-0246 | GLL | 11/18/04 | enrg                                  | J.DAVID   | 9/22/95 | projection |               |   | SCA-2               |  |  |  |
| S           | S05-0051 | GLL | 2/23/05  | chr                                   | GL L00    | 2/20/01 | projection | MM            | A | size                |  |  |  |
|             |          |     |          | appd                                  | JOEY NG   | 2/20/01 | projection |               |   | 71292               |  |  |  |
| sheet       | revision | S   | S        | S                                     | S         |         |            |               |   | code                |  |  |  |
| index       | sheet    | 1   | 2        | 3                                     | 4         |         |            |               |   | sheet               |  |  |  |

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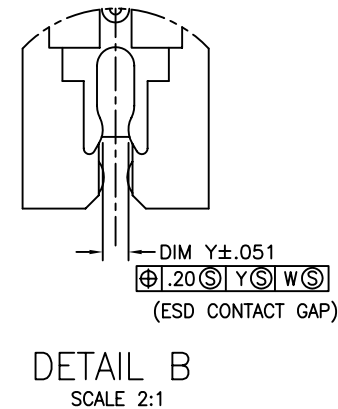
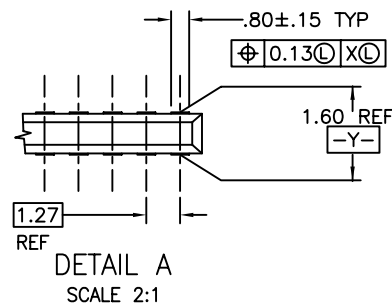
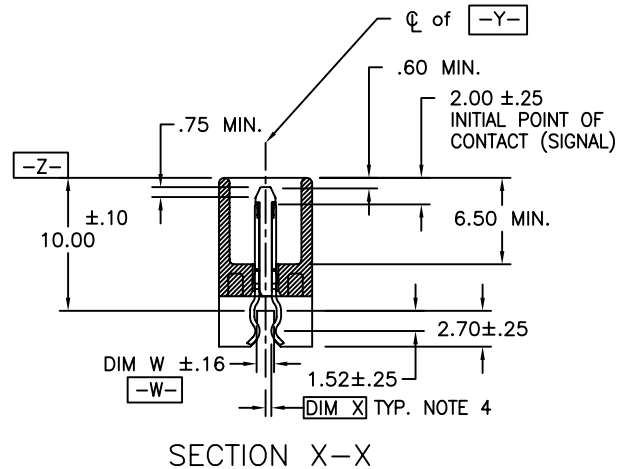
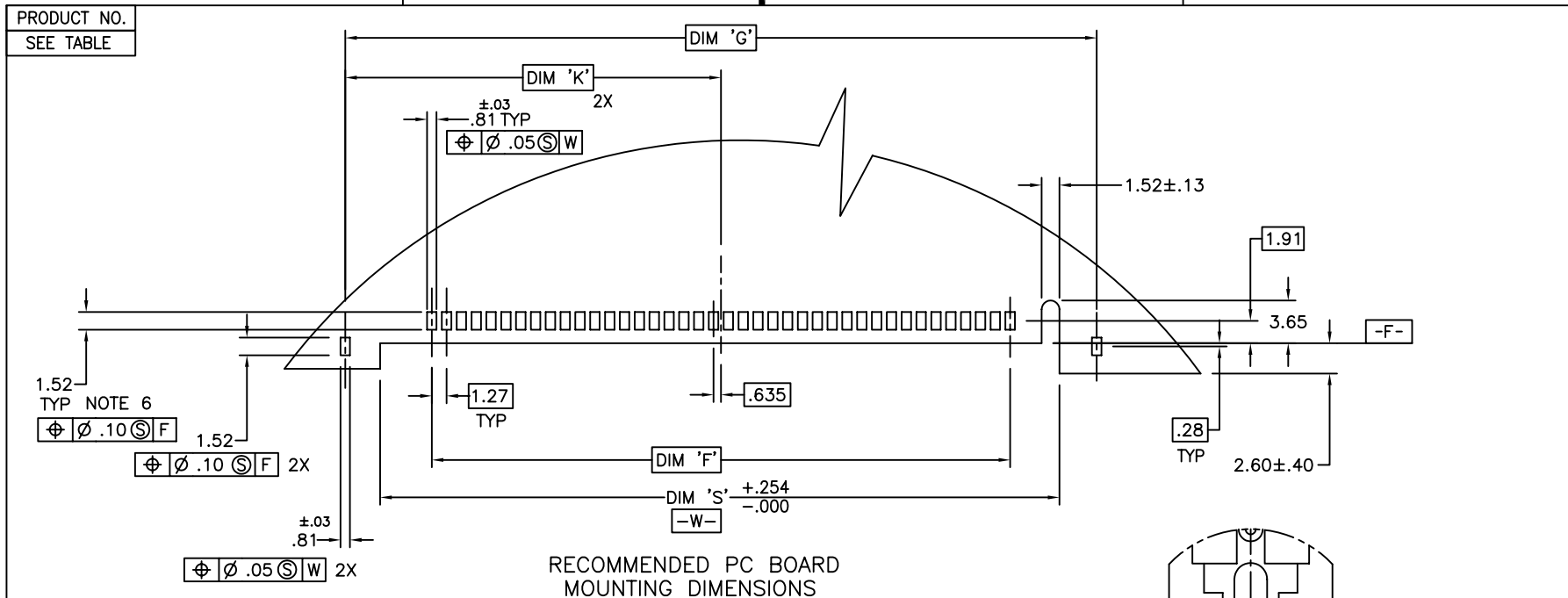
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|-------------|--------|----------------|------|---------------------------------------|------------|---------|---------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------|
| mat'l. code |        |                |      | tolerances unless otherwise specified |            |         | CUSTOMER COPY |                                                                                                     | <br>www.fciconnect.com |       |
| litr        | ecn no | dr             | date | linear                                | .X ±.3     |         |               | projection<br> | title<br>SCA2 PLUG CONNECTOR<br>STRADDLE MOUNT                                                              |       |
| S           |        |                |      |                                       | .XX ±.13   |         |               |                                                                                                     |                                                                                                             |       |
|             |        |                |      |                                       | .XXX ±.051 |         |               |                                                                                                     |                                                                                                             |       |
|             |        |                |      | angles                                | 0° ±2°     |         |               |                                                                                                     |                                                                                                             |       |
|             |        |                |      | dr                                    | FUSSELLMAN | 9/22/95 | MM<br>↔       | product family SCA-2                                                                                |                                                                                                             | code  |
|             |        |                |      | engr                                  | J.DAVID    | 9/22/95 |               | size                                                                                                | dwg no                                                                                                      | —     |
|             |        |                |      | chr                                   | GL LOO     | 2/20/01 |               | scale<br>1:1                                                                                        | A                                                                                                           | 71292 |
|             |        |                |      | appd                                  | JOEY NG    | 2/20/01 | 2 of 4        |                                                                                                     |                                                                                                             |       |
| sheet index |        | revision sheet |      |                                       |            |         |               |                                                                                                     |                                                                                                             |       |

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title  
SCA2 PLUG CONNECTOR  
STRADDLE MOUNT

|                |        |       |      |
|----------------|--------|-------|------|
| product family |        | SCA-2 | code |
| size           | dwg no |       |      |
|                |        |       | —    |

|   |       |                 |
|---|-------|-----------------|
| A | 71292 | sheet<br>2 of 4 |
|---|-------|-----------------|

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2 of 4

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| PRODUCT NO. | NO. POS. | DIM A REF | DIM B | DIM C | DIM D | DIM E | DIM F | DIM G | DIM H | DIM J | DIM K | POS. N | POS. P | POS. R | DIM S | DIM T | DIM U | DIM V | DIM W | DIM X | DIM Y | PLATING |
|-------------|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|
| 71292-001   |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       |         |
| -001S       | 80       | 62.15     | 51.17 | 55.27 | 57.87 | 63.30 | 49.53 | 65.36 | 66.50 | 66.40 | 32.68 | 41     | 40     | 80     | 57.91 | 57.82 | 28.88 | 1.32  | 1.30  | 0.44  | 0.97  | NOTE 2  |
| -101S       |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 10 |
| 71292-002   |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       |         |
| -002S       | 40       | 36.75     | 25.77 | 29.87 | 32.47 | 37.90 | 24.13 | 39.95 | 41.10 | 41.00 | 19.98 | 21     | 20     | 40     | 32.52 | 32.41 | 16.20 | 1.32  | 1.30  | 0.44  | 0.97  | NOTE 2  |
| -102S       |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 10 |
| 71292-003S  | 80       | 62.15     | 51.17 | 55.27 | 57.87 | 63.30 | 49.53 | 65.36 | 66.50 | 66.40 | 32.68 | 41     | 40     | 80     | 57.91 | 57.82 | 28.88 | 1.83  | 1.83  | 0.72  | 1.52  | NOTE 2  |
| -103S       |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 10 |
| 71292-004S  | 40       | 36.75     | 25.77 | 29.87 | 32.47 | 37.90 | 24.13 | 39.95 | 41.10 | 41.00 | 19.98 | 21     | 20     | 40     | 32.52 | 32.41 | 16.20 | 1.83  | 1.83  | 0.72  | 1.52  | NOTE 2  |
| -104S       |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 10 |

NOTES:

- HOUSING: LCP, UL94V-0 RATED, COLOR: BLACK  
CONTACTS: PHOSPHOR-BRONZE  
ESD CONTACT: PHOSPHOR-BRONZE
- PLATING:  
CONTACTS: 0.76µm (30µ") MIN GXT IN CONTACT AREA,  
2.54µm (100µ") MIN TIN-LEAD ON P.C. BOARD LEG,  
1.27µm (50µ") MIN NICKEL UNDERPLATE OVER ENTIRE  
TERMINAL.  
ESD CONTACT: 2.54µm (100µ") MIN TIN-LEAD  
PLATING W/ 1.27µm (50µ") NICKEL UNDERPLATE
- MEASURED AT THE FLOOR OF THE CAVITY MEASURED  
6mm FROM DATUM  $\overline{Z-Z}$
- APPLIES TO ALL SURFACES OF CONTACT TAILS.
- MAXIMUM BOARD THICKNESS THAT CONNECTOR CAN  
ACCOMMODATE IS DEFINED BY DIM 'V'.
- THESE DIMENSIONS RESULT IN THE CONTACT RESTING  
IN CENTER OF PAD WIDTH. THESE DIMENSIONS ARE  
SUBJECT TO CHANGE DEPENDING ON CUSTOMER'S  
MANUFACTURING PREFERENCES IN PROCESS SOLDER  
PLACEMENT AND REFLOW.
- DATE CODE IN THIS AREA
- MEASUREMENT MADE AT CENTER OF PART, MAY BE  
AS LOW AS 6.55. DESIGN TO BE MADE TO ACHIEVE  
THE NOMINAL DIMENSION ACROSS THE ENTIRE PART.
- DISTANCE MEASURED ACROSS CONTACT MATING SURFACES  
ALONG EFFECTIVE MATING AREA AND CONTACT MUST BE  
ABOVE PLASTIC ALONG EFFECTIVE MATING AREA.
- PLATING:  
CONTACTS: 0.76µm (30µ") MIN GOLD IN CONTACT AREA,  
2.54µm (100µ") MIN TIN-LEAD ON P.C. BOARD LEG,  
1.27µm (50µ") MIN NICKEL UNDERPLATE OVER ENTIRE  
TERMINAL.  
ESD CONTACT: 2.54µm (100µ") MIN TIN-LEAD  
PLATING W/ 1.27µm (50µ") NICKEL UNDERPLATE
- PART NUMBERS ENDING IN -0xx or -0xxS or -1xxS ARE  
MANUFACTURED WITH BRIGHT FINISH TIN-LEAD PLATING  
IN P.C. BOARD LEG AREA.

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|                |                   |    |      |                                          |            |         |                  |                                                                                                     |                                                           |                              |
|----------------|-------------------|----|------|------------------------------------------|------------|---------|------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------|
| mat'l. code    |                   |    |      | tolerances unless<br>otherwise specified |            |         | CUSTOMER<br>COPY |                                                                                                     | <div>A</div> <div>FCI</div> <div>www.fciconnect.com</div> |                              |
| ltr            | ecn no            | dr | date | linear                                   | .X ±.3     |         |                  | projection<br> | title<br>SCA2 PLUG CONNECTOR<br>STRADDLE MOUNT            |                              |
| S              |                   |    |      |                                          | .XX ±.13   |         |                  |                                                                                                     |                                                           |                              |
|                |                   |    |      |                                          | .XXX ±.051 |         |                  |                                                                                                     |                                                           |                              |
|                |                   |    |      | angles                                   | 0° ±2°     |         |                  | <div>MM</div> <div>↔</div> <div>scale<br/>1:1</div>                                                 | product family SCA-2<br>size dwg no<br>A 71292            |                              |
|                |                   |    |      | dr                                       | FUSSELMAN  | 9/22/95 |                  |                                                                                                     |                                                           |                              |
|                |                   |    |      | engr                                     | J.DAVID    | 9/22/95 |                  |                                                                                                     |                                                           |                              |
|                |                   |    |      | chr                                      | GL LOO     | 2/20/01 |                  |                                                                                                     |                                                           |                              |
|                |                   |    |      | appd                                     | JOEY NG    | 2/20/01 |                  |                                                                                                     |                                                           |                              |
| sheet<br>index | revision<br>sheet |    |      |                                          |            |         |                  |                                                                                                     |                                                           | code<br>—<br>sheet<br>3 of 4 |

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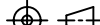
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| PRODUCT NO. | NO. POS. | DIM A REF | DIM B | DIM C | DIM D | DIM E | DIM F | DIM G | DIM H | DIM J | DIM K | POS. N | POS. P | POS. R | DIM S | DIM T | DIM U | DIM V | DIM W | DIM X | DIM Y | PLATING |
|-------------|----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|
| 71292-001LF | 80       | 62.15     | 51.17 | 55.27 | 57.87 | 63.30 | 49.53 | 65.36 | 66.50 | 66.40 | 32.68 | 41     | 40     | 80     | 57.91 | 57.82 | 28.88 | 1.32  | 1.30  | 0.44  | 0.97  | NOTE 16 |
| -201LF      |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 12 |
| 71292-002LF | 40       | 36.75     | 25.77 | 29.87 | 32.47 | 37.90 | 24.13 | 39.95 | 41.10 | 41.00 | 19.98 | 21     | 20     | 40     | 32.52 | 32.41 | 16.20 | 1.32  | 1.30  | 0.44  | 0.97  | NOTE 16 |
| -202LF      |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 12 |
| 71292-003LF | 80       | 62.15     | 51.17 | 55.27 | 57.87 | 63.30 | 49.53 | 65.36 | 66.50 | 66.40 | 32.68 | 41     | 40     | 80     | 57.91 | 57.82 | 28.88 | 1.83  | 1.83  | 0.72  | 1.52  | NOTE 16 |
| -203LF      |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 12 |
| 71292-004LF | 40       | 36.75     | 25.77 | 29.87 | 32.47 | 37.90 | 24.13 | 39.95 | 41.10 | 41.00 | 19.98 | 21     | 20     | 40     | 32.52 | 32.41 | 16.20 | 1.83  | 1.83  | 0.72  | 1.52  | NOTE 16 |
| -204LF      |          |           |       |       |       |       |       |       |       |       |       |        |        |        |       |       |       |       |       |       |       | NOTE 12 |

NOTES:

12. PLATING: CONTACT: 0,76µm (30µ") MIN GOLD IN CONTACT AREA, 2.54µm (100µ") - 5.08µm (200µ") TIN (LEAD-FREE) ON P.C. BOARD LEG, 1.27µm (50µ") MIN. NICKEL UNDERPLATE OVER ENTIRE TERMINAL  
ESD CONTACT: 2.54 µm (100µ") -5.08µm (200µ") TIN PLATING (LEAD-FREE) WITH 1.27µm (50µ") NICKEL UNDERPLATE
- 13 THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- 14 THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
15. PART NUMBERS ENDING IN "LF" MEANS FOR NOTE 14 LEAD FREE IDENTIFICATION. P/N XXXXX-2XXLF IS EQUIVALENT TO PREVIOUS P/N XXXXX-2XX .
16. PLATING: CONTACT: 0,76µm (30µ") MIN GXT IN CONTACT AREA, 2.54µm (100µ") - 5.08µm (200µ") TIN (LEAD-FREE) ON P.C. BOARD LEG, 1.27µm (50µ") MIN. NICKEL UNDERPLATE OVER ENTIRE TERMINAL  
ESD CONTACT: 2.54 µm (100µ") -5.08µm (200µ") TIN PLATING (LEAD-FREE) WITH 1.27µm (50µ") NICKEL UNDERPLATE

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|             |                |    |      |                                       |            |         |               |                                                                                                     |                                                                    |  |                              |  |
|-------------|----------------|----|------|---------------------------------------|------------|---------|---------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--|------------------------------|--|
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| ltr         | ecn no         | dr | date | linear                                | .X ±.3     |         |               | projection<br> | title<br>SCA2 PLUG CONNECTOR<br>STRADDLE MOUNT                     |  |                              |  |
| S           |                |    |      |                                       | .XX ±.13   |         |               |                                                                                                     |                                                                    |  |                              |  |
|             |                |    |      |                                       | .XXX ±.051 |         |               |                                                                                                     |                                                                    |  |                              |  |
|             |                |    |      | angles                                | 0° ±2°     |         |               | <div>MM</div> <div>↔</div> <div>scale<br/>1:1</div>                                                 | product family SCA-2<br>size dwg no<br>A 71292                     |  | code<br>—<br>sheet<br>4 of 4 |  |
|             |                |    |      | dr                                    | FUSSELMAN  | 9/22/95 |               |                                                                                                     |                                                                    |  |                              |  |
|             |                |    |      | engr                                  | J.DAVID    | 9/22/95 |               |                                                                                                     |                                                                    |  |                              |  |
|             |                |    |      | chr                                   | GL LOO     | 2/20/01 |               |                                                                                                     |                                                                    |  |                              |  |
|             |                |    |      | appd                                  | JOEY NG    | 2/20/01 |               |                                                                                                     |                                                                    |  |                              |  |
| sheet index | revision sheet |    |      |                                       |            |         |               |                                                                                                     |                                                                    |  |                              |  |

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