

1

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PRODUCT NO.

XXXXX-YYYHTLF

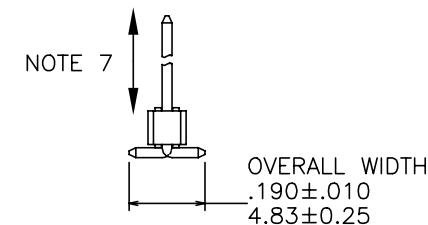
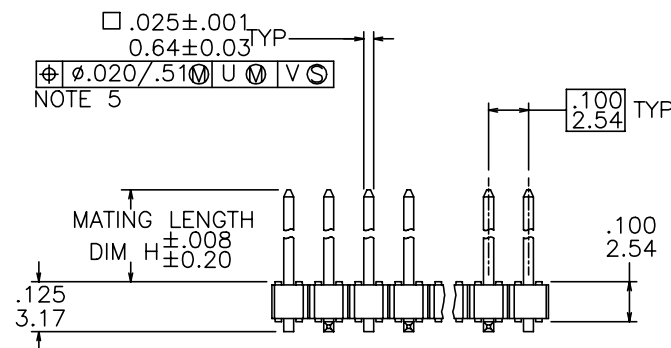
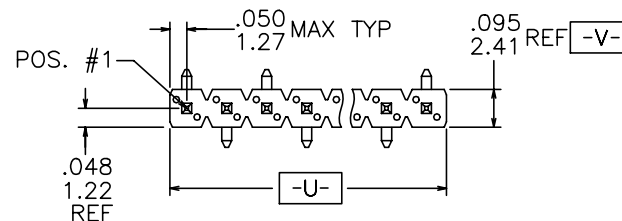
LEAD FREE OPTION (SEE NOTE 1,8)  
TUBE PACKAGING OPTION (SEE NOTE 1)

HIGH TEMPERATURE PLASTIC  
(SEE NOTE 1)

NO. OF  
POSITIONS  
(SEE NOTE 4)

PIN PLATING  
(SEE SHT 2)

BASE PART NO.  
(SEE SHT 2)



□ .025±.001 TYP  
0.64±0.03 TYP  
NOTE 5

|                                                                                       |           |         |                         |        |                                   |                                          |                                                                                       |          |                                                                                                  |             |              |     |
|---------------------------------------------------------------------------------------|-----------|---------|-------------------------|--------|-----------------------------------|------------------------------------------|---------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------|-------------|--------------|-----|
| www.fciconnect.com                                                                    |           |         | surface 6.4<br>ISO 1302 |        | tolerance std<br>ISO 406 ISO 1101 |                                          |  |          | INCH/MM<br> |             |              |     |
|                                                                                       |           |         | TOLERANCES UNLESS       |        | OTHERWISE SPECIFIED               |                                          |                                                                                       |          |                                                                                                  |             |              |     |
| Dr                                                                                    | J.W. BAIR | 3/24/92 | ANGULAR                 | LINEAR | 0.X ±0.3                          |                                          | size                                                                                  | A4       | Scale                                                                                            |             |              |     |
| Eng                                                                                   | T. HANNA  | 3/24/92 |                         |        | 0.XX ±0.15                        |                                          |                                                                                       |          | 1.000                                                                                            |             |              |     |
| Chr                                                                                   | T. HANNA  | 3/24/92 |                         |        | 0° ±2°                            |                                          |                                                                                       |          |                                                                                                  | 0.XXX ±0.05 |              |     |
|                                                                                       |           |         | ECN                     |        |                                   |                                          |                                                                                       |          |                                                                                                  |             |              |     |
| Appr                                                                                  | T. HANNA  | 3/24/92 | Product family BERGSTIK |        |                                   |                                          |                                                                                       | Spec ref |                                                                                                  |             |              |     |
|  |           |         | title                   |        |                                   | BERGSTIK® II HEADER<br>.100 SR VERT. SMT |                                                                                       |          | dwg no                                                                                           |             | 78540        | Rev |
|                                                                                       |           |         | catalog no              |        |                                   |                                          |                                                                                       |          | CUSTOMER                                                                                         |             | sheet 1 of 2 |     |

| rev | ecn no      | dr  | date       |
|-----|-------------|-----|------------|
| V   | ELX-N-16105 | ZK  | 2013-10-22 |
| P   | N05-0027    | MHT | 4/21/05    |
| R   | M06-0269    | AEA | 7/14/05    |
| S   | M06-0356    | MHT | 9/08/06    |
| T   | M08-0291    | MHT | 10/08/08   |
| U   | N11-0118    | J.Z | 2011-04-14 |

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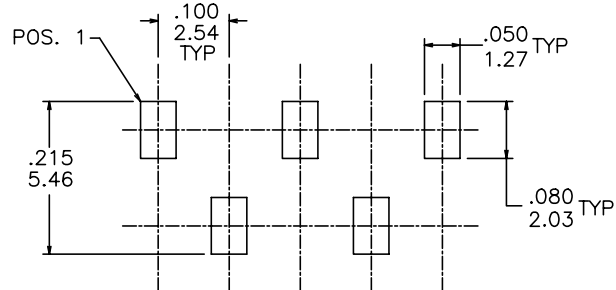
3

4



| PRODUCT NUMBER | MATING LENGTH DIM H | PACKAGING       |
|----------------|---------------------|-----------------|
| 78540-XY       | .230/5.84           | POLY BAGS/TUBES |
| 78589-XY       | .318/8.08           | POLY BAGS/TUBES |
| 92021-XY       | .180/4.57           | POLY BAGS/TUBES |
| 94095-XYH      | .400/10.16          | POLY BAGS       |

OB  
OB  
OB



RECOMMENDED PAD LAYOUT  
SCALE 4/1

NOTES:

- ① PART NUMBER OPTIONS:  
PIN PLATING CODES (SEE ABOVE)

PACKAGING:  
PACKAGED IN POLYBAGS,  
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE.  
PACKAGED IN SLIDE TUBES PER BUS-14-212.

LEAD FREE OPTION:  
ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE  
OPTION, NOT AVAILABLE FOR -5YY, -5YYH, -6YY & -6YYH,

HIGH TEMP. MATERIAL:  
FOR HIGH-TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT  
THE END OF THE PART NUMBER TO INDICATE HIGH-TEMP PLASTIC IS SUPPLIED.

2. BODY MATERIAL:  
30% GLASS-FIBER REINFORCED PCT FLAME RETARDANT  
PER UL-94V-0. COLOR: BLACK OR  
MINERAL FILLED LCP FLAME RETARDANT  
PER UL-94V-0. COLOR: BLACK

PART NUMBERS WITH "H" SUFFIX  
TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN  
WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PART NUMBERS WITHOUT "H" SUFFIX  
TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN  
WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PIN PLATING CODES:

|              |                                                           |
|--------------|-----------------------------------------------------------|
| XXXXX-1YY    | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-2YY    | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-3YY    | 50u"/1.27u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-4YY    | 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 1,10) |
| XXXXX-4YYHLF |                                                           |
| XXXXX-5YY    | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-6YY    | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-7YY    | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-8YY    | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-9YY    | 15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |
| XXXXX-0YY    | 30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni        |

- ③ PIN MATERIAL: PHOS-BRONZE.
- ④ NUMBER OF POSITIONS FROM 2 THRU 15.
- ⑤ MEASURED WITH PART IN RESTRAINED CONDITION.
6. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.
- ⑦ 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
- ⑧ THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑨ PLATING OPTIONS:  
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL,  
OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
- ⑩ "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND  
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT  
ENVIRONMENTS."

|                                       |           |         |                           |                                   |                       |
|---------------------------------------|-----------|---------|---------------------------|-----------------------------------|-----------------------|
| www.fciconnect.com                    |           |         | surface<br>ISO 1302 ✓     | tolerance std<br>ISO 406 ISO 1101 | projection<br>INCH/MM |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |           |         | ANGULAR                   | LINEAR                            | size A4               |
| Dr                                    | J.W. BAIR | 3/24/92 | 0°                        | ±2°                               | Scale 1.000           |
| Eng                                   | T. HANNA  | 3/24/92 | 0.X                       | ±0.3                              | ECN                   |
| Chr                                   | T. HANNA  | 3/24/92 | 0.XX                      | ±0.15                             | Spec ref              |
| Appr                                  | T. HANNA  | 3/24/92 | 0.XXX                     | ±0.05                             |                       |
| Product family BERGSTIK               |           |         | title BERGSTIK® II HEADER |                                   |                       |
| catalog no                            |           |         | dwg no 78540              |                                   |                       |
|                                       |           |         | Rev. V                    |                                   |                       |
|                                       |           |         | CUSTOMER sheet 2 of 2     |                                   |                       |