

| | | 1 | 2 3 | | | |
|--------------|--------------|---|-----------------------|--------------------|---|--|
| | PIN PLAT | ING CODES: | | | | |
| F | XXXXX-1YY | 30u"/0.76u MIN (SEE NOTE 12) OVER 5 | 0u"/1.27u MIN Ni | | | |
| | XXXXX–2YY | 15u"/0.38u MIN (SEE NOTE 12) OVER 50 |) Ju"/1.27u MIN Ni | | | |
| ノ [| XXXXX-3YY | 50u"/1.27u MIN (SEE NOTE 12) OVER 5 | 0u"/1.27u MIN Ni | | | |
| | XXXXX-4YY | 100u"/2.54u MIN Sn OVER 50u"/1.27u I | MIN NI (SEE NOTE | 13) | | |
| | XXXXX-4YYHLF | | WIN NI (SEE NOTE | 13) | | |
| | XXXXX-5YY | 15u"/0.38u MIN (SEE NOTE 12) OVER 5 | 0u"/1.27u MIN Ni | | | |
| | XXXXX-6YY | 30u"/0.76u MIN (SEE NOTE 12) OVER 5 | 0u"/1.27u MIN Ni | | | |
| | XXXXX—7YY | 30u"/0.76u MIN (SEE NOTE 12) OVER 5 | 0u"/1.27u MIN Ni | | | |
| | XXXXX-8YY | 15u"/0.38u MIN (SEE NOTE 12) OVER 50 | Du"/1.27u MIN Ni | | | |
| А | XXXXX-9YY | 15u"/0.38u MIN (SEE NOTE 12) OVER 5 | 0u"/1.27u MIN Ni | | | |
| | XXXXX-0YY | 30u"/0.76u MIN (SEE NOTE 12) OVER 5 | 0u"/1.27u MIN Ni | | | |
| | | | | | | |
| | NOTES | | | | | |
| $\mathbf{)}$ | PIN PLATI | MBER OPTIONS: NG CODES (SEE ABOVE) P. MATERIAL: | | | | |
| | | HIGH-TEMPERATURE APPLICATIONS | , SPECIFY AN ' | 'H" A ⁻ | Т | |

THE END OF THE PART NUMBER, AND PCT WILL BE SUPPLIED.

NUMBER OF POSITION:

ANY NUMBER OF POSITIONS FROM 2 THRU 36.

PACKAGING:

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form: A3

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PACKAGED IN POLY BAGS.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED IN TAPE AND REEL WITH PICKUP CAPS.

LEAD FREE:

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

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2. BODY MATERIAL:

MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDENT PER UL-94V-0. COLOR: BLACK. OR MINERAL FILLED LCP, COLOR BLACK FLAME RETARDENT PER UL-94V-0.

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

PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260 PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

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- 3. PIN MATERIAL: PHOS-BRONZE.
- 4. MEASURED WITH PART IN RESTRAINED CONDITION.
- 5. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.
- 6. 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
- 7. ±.010/0.25 TOL APPLIES TO ALL 'G' TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +.010/0.25 -.000/0.00 APPLIES.
- 8. DETAIL N DIMENSIONS APPLY TO 2 POSITION PARTS ONLY
- 9. SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURER'S OPTION.
- 10. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

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- 11. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 12. PLATING OPTIONS: PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
- 13."THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

mat'l. code surface tolerance projection product family SO 406 SO 110 ISO 1302 V BERGSTIK Θ Itr ecn no dr date title tolerances unless otherwise specified AN .XX±01/.X±0.3 INCH/MM BERGSTIK II HEADER angles linear .XXX±005/.XX±0.13 .100/2.54 SR SELF-RET .XXXX±0020/.XXX±0.051 0°±2° scale 1:1 sheet 2 of 4 size dr D. WHITING 4/19/93 dwg no FCi engr T.HANNA 4/19/93 69190 Аз chr T. BREWBAKER 4/19/93 Y T.HANNA type Product Customer Drawing appd 4/19/93 sheet revision index sheet 4PDS: Rev :AN STATUS:Released Printed: Oct 29, 2013

| | 1 | 2 3 | | 4 | 5 | 6 |
|------------------|--------------------------------|--|---|---|--------------------------------------|--|
| \bigcirc | | | | | | |
| | Ν | 100±.003 2.54±0.08 TYP ION-ACCUMULATIVE 0.040±.003 1.02±0.08 1.02±0.08 | | .041±.003 1.04±0.08 SECTION R-R NOTE 9 | | A |
| FClconnect.com B | RE POSITION #2 ETC POSITION #1 | COMMENDED HOLE PATTERN | | NOTE 9 | | В |
| C C | | ╘╻┙╘╷┙╘╻┙╘╻┙╘╷┙╘╷┙╘╻┙╘╷ ┙╴╖╺┙ ┍╶╸┙ | | .056±.003 1.42±0.08 TWO POSITION DETAIL N NOTE 8 | | C |
| Copyright FCI | | | | Itr ecn no dr date tolerances unless other AN angles angles linear J0 J0 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | II HEADER SR SELF-RET sheet 3 of 4 size 90 A3 Customer Drawing |
| D form: A3 | 1 | 2 | 3 | index sheet 4PDS: Rev :Al | N STATUS®eleased Pr | D inted: Oct 29, 2013 |

| | | | 2 | 2 3 | | | | | | 4 | | | | | |
|------------|--------------------------|----------------------|----------------------|----------------------|--------|----------------------|--------------------|----|--------|------------------|--------------|-------|------|------|--|
| | PRODUCT NUMBER | TOTAL PI | N LENGTH | TAIL L | ENGTH | MATING | LENGTH | | | | | 1 | L | _ | |
| | | DIM F | DIM F | DIM G | DIM G | DIM H | DIM H | | PACKA | GIN | 3 | NOTE | | | |
| \bigcirc | | ENGLISH | METRIC | ENGLISH | METRIC | ENGLISH | METRIC | | | | | | | | |
| \bigcirc | 69190-XYY | 0.450 | 11.43 | 0.120 | 3.05 | 0.230 | 5.84 | PO | LY BAG | <u>S/T</u> | UBES | _ | NOTE | 1,11 | |
| | 72348XYYH | -0.515- | -13.08 - | - 0.120 - | | - 0.295 - | 7 .4 9 | | POLY | BAG | S | | ов 🖡 | | |
| | 78229-XYY | 0.538 | 13.67 | 0.120 | 3.05 | 0.318 | 8.08 | PO | LY BAG | S/T | UBES | _ | | | |
| | 78250-XYY | l (| ψΝΑν | AIL | ABLE | + | | | | | | - | | | |
| | - 78538 XYY | -0.620- | -1 5.75 - | -0.120- | | - 0.4 00- | - 10.16 | | POLY | BAG | S | | ов | | |
| | - 78594-XYY - | -0.7 60 - | -19.30 - | -0 .120 - | | - 0.540 - | - 13.72 | | POLY | BAG | <u>S</u> | | ов | | |
| <u>A</u> | 79429-XYY | -0.6 9 5- | -17.65- | -0.120- | | - 0.475 - | 12.07 | | POLY | BAG | <u>S</u> | | ов | | |
| | 79978-XYY | -0.450- | -11:43- | -0.120- | | - 0.230 - | 5.84 | ₽0 | LY-BAG | /5/ Ŧ | UBES- | 7 | ов | | |
| | -86505XYY- | -0.440- | -11:18- | -0.120- | | - 0.220 - | 5.59 | | POLY | BAG | S | | ов | | |
| | <u>87036-XYY</u> | -0.8 <u>30</u> - | -21:08- | -0.120- | | - 0.610 - | 15.49 | | POLY | BAG | S | | ов | | |
| \bigcirc | 87068-XYY | -0.530- | -1 3.46 - | -0.1-15- | 2.92 | - 0.315 - | 8.00 | | POLY | BAG | S | | ов | | |
| \bigcirc | | -1.000- | -2 5 :40- | -0.120- | | - 0:780 - | 19.81 | | POLY | BAG | S | | ов | | |
| | 87452-XYY | 0.840 | 21.34 | 0.120 | 3.05 | 0.620 | 15.75 | | POLY | BAG | S | — | | | |
| | <u>87453-XYY</u> | -0.9 90 - | -2 5 :15- | -0.120- | | -0.770- | - 19.56 | | POLY | BAG | S | | ов | | |
| | 87918-XYY | -0.7 3 0- | -1 8.54 | -0.120- | | - 0:510 - | - 12.95 | | POLY | BAG | S | | ов | | |
| | <u>90603-XYY</u> | -0.430- | -1 0.9 2- | -0.100- | | - 0.230 - | 5.84 | | POLY | BAG | S | | ов | | |
| B | <u>90610-XYY</u> | -0 .927 - | -2 3.55 - | -0.100- | | 0.727- | 18.47 | | POLY | BAG | S | | ов | | |
| сот | 94549XYYH | -0.415- | -10.54- | -0.085- | | - 0.230 - | 5.84 | | POLY | BAG | S | | ов | | |
| | 69190-XYY001HLF | 0.425 | 10.80 | 0.095 | 2.41 | 0.230 | 5.84 | | POLY | BAG | S | _ | NOTE | 1,11 | |

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