

PRODUCT NUMBER

75970-YXX-XXLF

RoHS COMPATIBLE, SEE NOTE 7
 TOTAL NB OF POS (02 TO 36 POS)
 PLATING
 PIN STYLE

1 = 0.76 μ m FULL GOLD/GXT,
 3 = 2 μ m MIN MATTE TIN FULL PLATED
 7 = FULL GOLD FLASH,
 5/8 = 0.38 μ m FULL GOLD/GXT,

S1 = 0.76 μ m GOLD/GXT, AREA "A" & "B" ONLY
 1.27 μ m Ni MIN ON REMAINDER AREA
 S8 = 0.38 μ m GOLD/GXT, AREA "A" & "B" ONLY
 1.27 μ m MIN NICKEL UNDERPLATING

NOTES:

1. HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK.
2. PIN MATERIAL : PHOSPHOR BRONZE.
3. 12N MIN RETENTION IN EITHER DIRECTION.
4. TO DETERMINE DIMENSIONS :
 N = NUMBER OF POSITIONS PER ROW
 EXAMPLE : 8 POS PER ROW, $N \times 2.54$ = 20.32mm
5. FOR STANDARD SELECTIVE GOLD PLATED PRODUCTS SEE DRAWINGS 54111 & 54121.
6. STANDARD PACKAGING IN POLYBAGS.
7. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

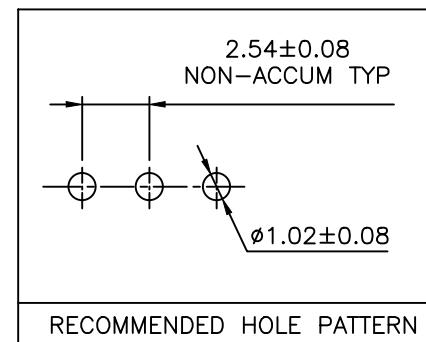
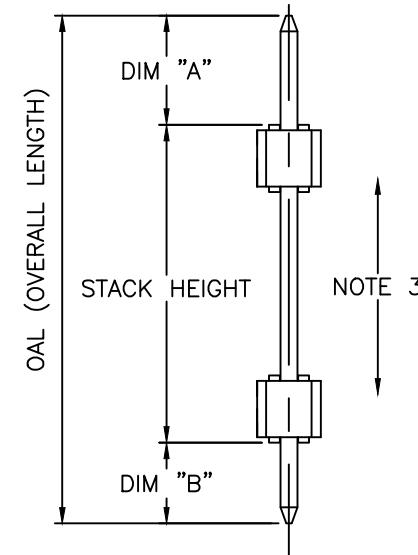
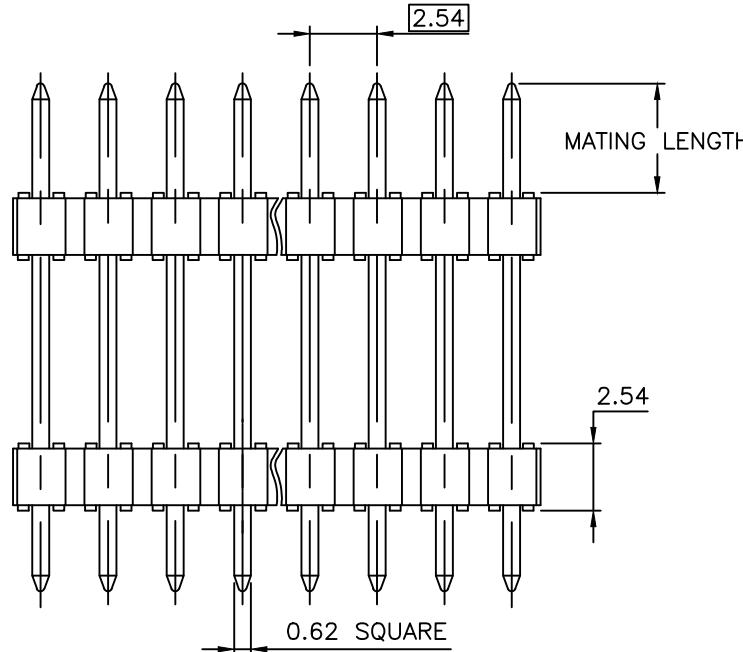
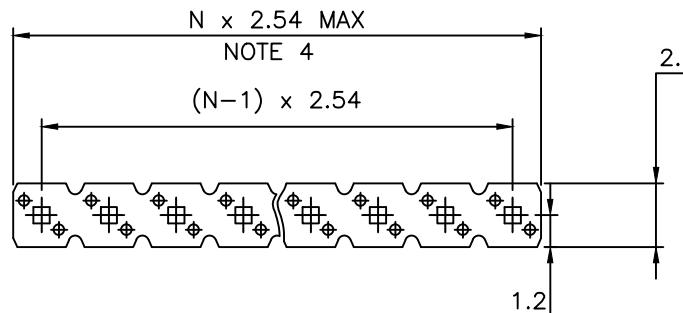
- "LF" MEANS THE PRODUCT IS LEAD-FREE,
 2 μ m MINIMUM MATTE TIN OVER 1.27 μ m
 MINIMUM NICKEL UNDERPLATE.

b - MANUFACTURING PROCESS COMPATIBILITY

- THE HOUSING WILL WITHSTAND EXPOSURE TO
 260°C \pm 5°C SOLDER BATH TEMPERATURE FOR
 5 SECONDS IN A WAVE SOLDER APPLICATION
 WITH A 1.6mm MIN THICK CIRCUIT BOARD.

c - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920
 d - LEGAL STATEMENT: SEE GS-47-0004.



| mat'l. code SEE P/N | | | | surface | tolerance | projection | product family |
|------------------------|----------|-----|----------|---------------------------------------|----------------------|------------|----------------|
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | bstik |
| DG | F-22058 | BVE | 15.09.28 | ISO 1302 | ✓ ISO 406 ISO 1101 | | |
| DH | F-22107 | AMA | 15.10.08 | angles | x.x \pm 0.30 | mm | |
| DJ | F-22317 | AMA | 15.10.27 | linear | x.xx \pm 0.13 | | |
| DK | F-24965 | DDE | 16.09.19 | dr | COMPAGNON J 94.07.01 | scale 5:1 | |
| DE | B-16687 | LMU | 14.01.08 | engr | JMC 95.09.25 | | |
| DF | B-19264 | LMU | 14.11.03 | oppd | JMC 95.09.25 | | |
| sheet | revision | DK | CG | B | | | |
| index | sheet | 1 | 2 | 3 | | | |



| APPLICATION SPECIFIC | | | | |
|----------------------|-----------------|-----------------------|------------------|----------------|
| PIN STYLE | DIM "A" ±0.2 | STACK HEIGHT ±0.25 | DIM "B" ±0.25 | ("OAL") REF |
| 01 | 9.99 | 13 | 3.05 | 26.04 |
| 04 | 6.33 | 6.5 | 3.05 | 15.88 |
| 05 | 11.69 | 11.3 | 3.05 | 26.04 |
| 06 | 8.71 | 19.76 | 2.65 | 31.12 |
| 08 | 5.51 | 8 | 3.05 | 16.56 |
| 09 | 6.61 | 11.3 | 3.05 | 20.96 |
| 10 | 3.14 | 19.76 | 3.14 | 26.04 |
| 11 | 3.55 | 16.4 | 3.55 | 23.5 |
| 12 | 5.72 | 5.08 | 2.54 | 13.34 |
| 15 | 7.46 | 9.5 | 4 | 20.96 |
| 16 | 5.59 | 13 | 3.05 | 21.64 |
| 20 | 5.6 | 6.5 | 2.88 | 14.98 |
| 21 | 7.5 | 10.45 | 3.01 | 20.96 |
| 22 | 7.5 | 15.45 | 3.09 | 26.04 |
| 25 | 17.3 | 15.7 | 3.2 | 36.2 |
| 26 | 9.1 | 15.7 | 3.2 | 28 |
| 29 | 8.23 | 16 | 3.2 | 27.43 |
| 30 | 2.8 | 13.7 | 2.8 | 19.3 |
| 31 | 3.11 | 5.08 | 3.11 | 11.3 |
| 36 | 5.9 | 10.39 | 3.01 | 19.3 |
| 41 | 9.45 | 5.5 | 2.7 | 17.65 |
| 56 | 10 | 19 | 3 | 32 |
| 58 | 6.5 | 30.5 | 3 | 40 |
| 68 | 6.87 | 16.5 | 3.05 | 26.42 |
| 69 | 6.87 | 13 | 3.63 | 23.5 |
| 75 | 3.1 | 11.45 | 3.1 | 17.65 |
| 90 | 7.8 | 33.5 | 3.15 | 44.45 |
| 93 | 3.3 | 6.5 | 3.3 | 13.08 |

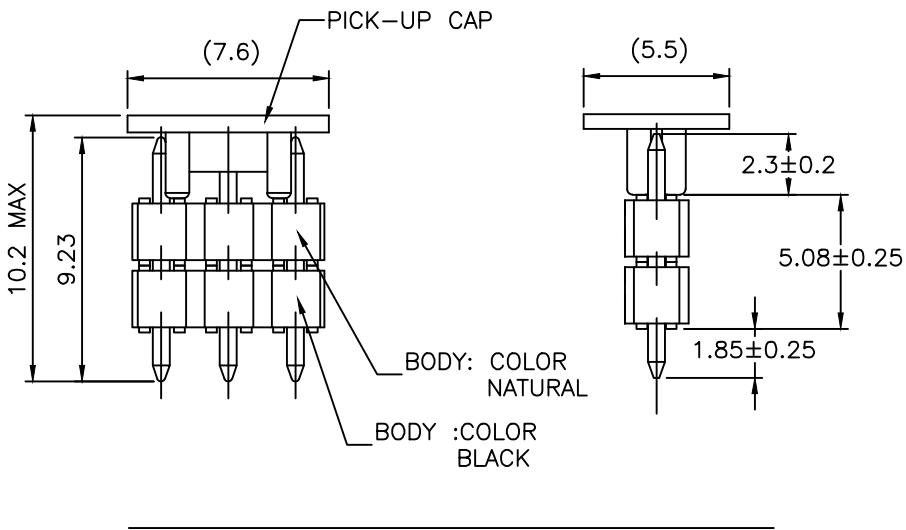
| APPLICATION SPECIFIC | | | | |
|----------------------|-----------------|-----------------------|------------------|----------------|
| PIN STYLE | DIM "A" ±0.2 | STACK HEIGHT ±0.25 | DIM "B" ±0.25 | ("OAL") REF |
| 94 | 3.3 | 7.72 | 3.3 | 14.32 |
| AA | 4.05 | 10.5 | 3.1 | 17.65 |
| AB | 4 | 29 | 3.2 | 36.2 |
| AJ | 1.4 | 6.5 | 3.4 | 11.3 |
| AK | 11 | 6 | 11 | 28 |
| AL | 8.5 | 6 | 8.5 | 23.0 |
| AM | 5.6 | 29.3 | 3.05 | 37.95 |
| AN | 12.0 | 26.45 | 6.0 | 44.45 |
| AP | 3.42 | 37.60 | 3.43 | 44.45 |
| AR | 4.00 | 28.00 | 3.70 | 35.70 |
| AS | 8.08 | 5.08 | 2.74 | 15.90 |
| AT | 4.25 | 31.50 | 4.25 | 40.00 |
| AU | 7.94 | 5.08 | 7.94 | 20.96 |
| AV | 17.50 | 26.50 | 6.00 | 50.00 |
| AW | 4.95 | 6.00 | 4.95 | 15.90 |
| AX | 2.66 | 15.00 | 5.84 | 23.50 |
| AY | 8.60 | 6.00 | 8.60 | 23.20 |
| BA | SEE SHEET 3 | | | |
| BB | SEE SHEET 3 | | | |
| BC | 16.65 | 14.70 | 6.00 | 37.30 |
| BD | 7.01 | 5.25 | 9.39 | 21.65 |
| BE | 3.00 | 13.00 | 3.00 | 19.00 |

| | | | | | | | |
|-------------|----------|-----|----------|---------------------------------------|-------------|------------|----------------|
| mat'l. code | | | | surface | tolerance | projection | product family |
| ltr | ecn no | dr | date | ISO 1302 ✓ ISO 406 ISO 1101 | | | BSTIK |
| CA | F12-0090 | JFA | 12.12.07 | tolerances unless otherwise specified | | | |
| CB | B-16687 | LMU | 14.01.08 | angles | linear | mm | |
| CD | B-19264 | LMU | 14.11.03 | | | scale | |
| CE | F-22058 | BVE | 15.09.28 | dr | COMPAGNON J | dwg no | HEADER STR,SR |
| CF | F-22107 | AMA | 15.10.08 | engr | PHAMVAN JM | sheet 2 of | DOUBLE BODY |
| CG | F-22317 | AMA | 15.10.27 | chr | COMPAGNON J | size | |
| | | | | appd | JM P | dwg no | 75970 |
| | | | | | 95.03.21 | type | CUSTOMER |
| | | | | | | Drawing | |
| sheet | revision | | | | | | |
| index | sheet | | | | | | |

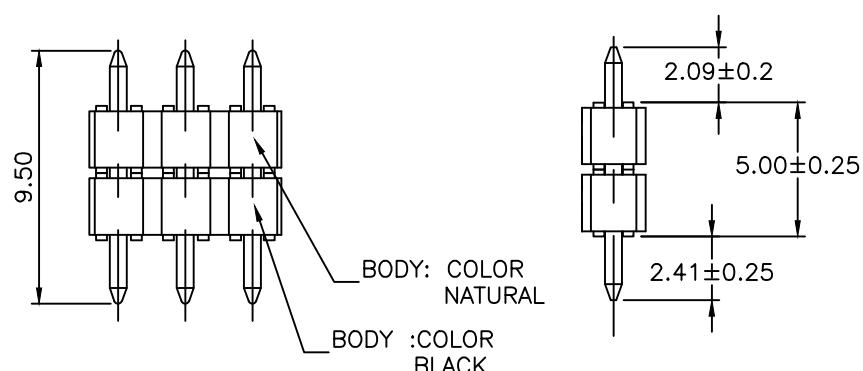
SPECIFIC PRODUCT NUMBER
75970-3BAA03LF

PLATING
3 = 2 μ m MATTE TIN
OVER 1.27 μ m Ni MIN

MEANS RoHs, SEE SHEET 1
TOTAL NB OF POS
PRODUCT PACKED IN TAPE
& REEL WITH PICK UP CAP
PIN STYLE



SPECIFIC PRODUCT NUMBER
75970-3BB-XXLF

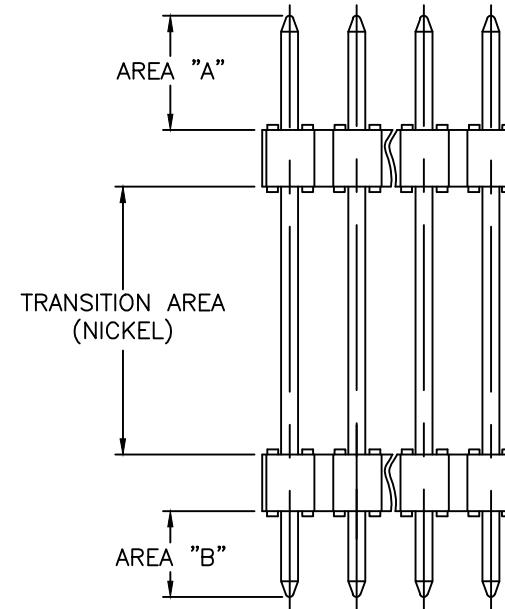


FOR OTHERS SPECIFICATIONS AND DIMENSIONS SEE SHEET 1

SPECIFICS PLATING AREA FOR PART NUMBERS :

P/N 75970-1AN-02LF
P/N 75970-590R30LF
P/N 75970-8AU-02LF
P/N 75970-8AP-04LF

AREA "A" & "B" : GOLD/GXT PLATING AREA



| mat'l. code | | | surface | tolerance | projection | product family |
|-------------|----------|-----|----------|---------------------------------------|----------------------|----------------|
| ltr | ecn no | dr | date | ISO 1302 | ✓ ISO 406 ISO 1101 | |
| A | B-16687 | LMU | 14.01.08 | tolerances unless otherwise specified | | |
| B | B-19264 | LMU | 14.11.03 | angles | linear | |
| | | | | | | mm |
| | | | | | | scale |
| | | | | dr | L.MULIN 13.02.15 | |
| | | | | engr | J.COMPAGNON 13.02.15 | |
| | | | | chr | | |
| | | | | appd | J.COMPAGNON 13.02.15 | |
| | | | | | | |
| sheet | revision | | | | | |
| index | sheet | | | | | |

FCI

HEADER STR,SR
DOUBLE BODY

dwg no sheet 3 of size
75970 A3

type CUSTOMER Drawing

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

[75970-175-07LF](#) [75970-175-09LF](#)