

PRODUCT NUMBER  
76745-YXX-XXLF

- RoHS COMPATIBLE, SEE NOTE 8
- TOTAL NB OF POS (04 TO 72 POS)
- OPTION LETTER, SEE NOTE 6
- PIN STYLE

PLATING

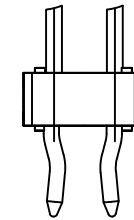
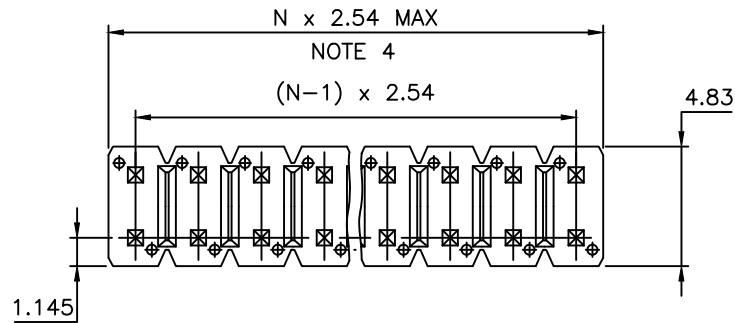
- 1 = 0.76µm GOLD/GXT,
- 3 = 2µm MIN MATTE TIN FULL PLATED
- 5 / 8 = 0.38µm GOLD/GXT
- 1.27µm Ni MIN UNDERPLATING

NOTES:

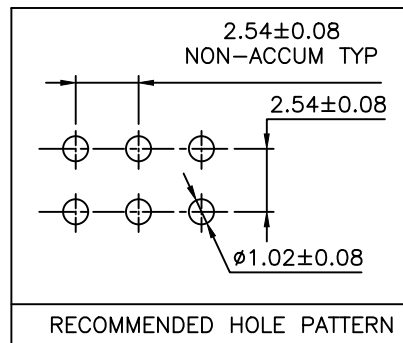
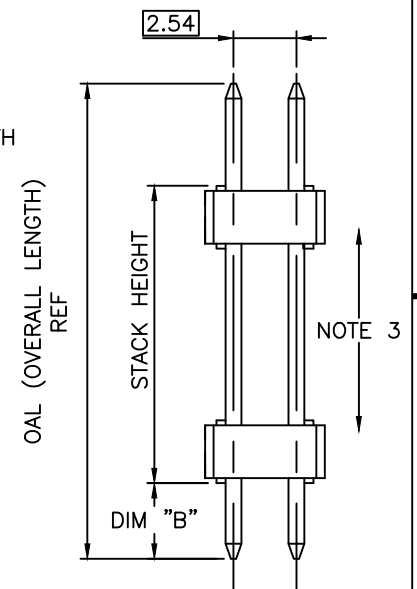
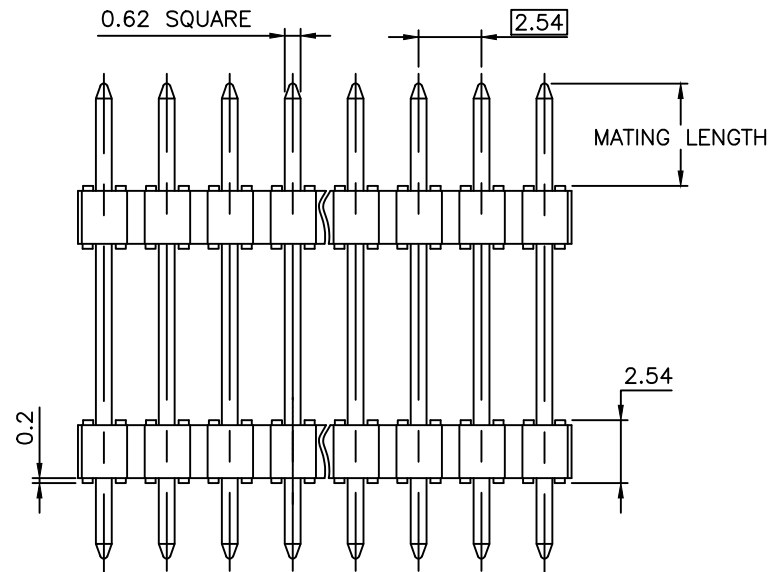
- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK.
- PIN MATERIAL : PHOSPHOR BRONZE.
- 12N MIN RETENTION IN EITHER DIRECTION.
- TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS PER ROW,  $N \times 2.54 = 20.32\text{mm}$
- FOR STANDARD SELECTIVE GOLD PLATED PRODUCTS SEE DRAWINGS 54111 & 54121.
- OPTION LETTER :
  - = STANDARD PACKAGING IN POLYBAG
  - V = POLYBAGS PACKAGING FOR CUSTOMER DEDICATED PART
  - B = TUBE WITH PICK UP CAP AS AVAILABLE
- RETENTION IS APPLIED TO TWO ADJACENT PINS AT EACH END OF THE PRODUCT SEE SCHEMA 1  
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE

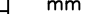
8. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

- a - PLATING:
  - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
- b - MANUFACTURING PROCESS COMPATIBILITY
  - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C ±5°C SOLDER BATH TEMPERATURE FOR 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



SCHEMA 1  
TWO RETENTION PIN AT EACH  
END OF THE PRODUCT



| mat'l. code |          |     |          | surface  |                                       | tolerance   |             | projection<br> | product family                                                                        |                              |         |              |      |
|-------------|----------|-----|----------|----------|---------------------------------------|-------------|-------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|---------|--------------|------|
| SEE NOTES   |          |     |          | ISO 1302 | <input checked="" type="checkbox"/>   | ISO 406     | ISO 1101    |                                                                                                     | BSTIK                                                                                 |                              |         |              |      |
| ltr         | ecn      | no  | dr       | date     | tolerances unless otherwise specified |             |             |                                                                                                     | title                                                                                 |                              |         |              |      |
| FF          | B-19782  | AMA | 14.12.18 |          | angles                                | linear      | x.X ±0.3    |                                                                                                     |  | HEADER STR,DR<br>DOUBLE BODY |         |              |      |
| FG          | B-20322  | AMA | 15.01.27 |          |                                       |             | x.XX ±0.13  |                                                                                                     |                                                                                       |                              |         |              |      |
| FH          | F-22479  | BVE | 15.11.12 |          |                                       |             | x.XXX ±0.05 |                                                                                                     |                                                                                       |                              |         |              |      |
| FK          | F-28617  | DDE | 17.11.27 |          | dr                                    | NIZZI P     | 94.05.05    |                                                                                                     |  | dwg no                       |         | sheet 1 of 4 | size |
|             |          |     |          |          | enrg                                  | COMPAGNON J | 95.12.05    |                                                                                                     |                                                                                       |                              |         |              | A3   |
| FD          | B-19264  | LMU | 14.11.03 |          | chr                                   |             |             |                                                                                                     |                                                                                       |                              |         | 76745        |      |
| FE          | B-19345  | LMU | 14.11.07 |          | appd                                  | JMC         | 95.12.05    | type                                                                                                |                                                                                       | CUSTOMER                     | Drawing |              |      |
| sheet       | revision | FK  | CC       | F        | A                                     |             |             |                                                                                                     |                                                                                       |                              |         |              |      |
| index       | sheet    | 1   | 2        | 3        | 4                                     |             |             |                                                                                                     |                                                                                       |                              |         |              |      |

| APPLICATION SPECIFIC |                       |                       |              |                |
|----------------------|-----------------------|-----------------------|--------------|----------------|
| PIN STYLE            | MATING LENGTH<br>±0.2 | STACK HEIGHT<br>±0.25 | "B"<br>±0.25 | ("OAL")<br>REF |
| 01                   | 8.71                  | 19.76                 | 2.65         | 31.12          |
| 02                   | 6.87                  | 16.5                  | 3.05         | 26.42          |
| 03                   | 6.87                  | 13.0                  | 3.63         | 23.5           |
| 04                   | 5.6                   | 6.5                   | 2.88         | 14.98          |
| 05                   | 5.51                  | 8.0                   | 3.05         | 16.56          |
| 06                   | 6.61                  | 11.3                  | 3.05         | 20.96          |
| 07                   | 5.58                  | 10.3                  | 2.54         | 18.42          |
| 08                   | 5.81                  | 7.7                   | 3.05         | 16.56          |
| 09                   | 5.72                  | 5.08                  | 2.54         | 13.34          |
| 10                   | 6.9                   | 10.45                 | 2.71         | 20.06          |
| 11                   | 11.2                  | 9.5                   | 2.8          | 23.5           |
| 13                   | 9.07                  | 6.3                   | 3.05         | 18.42          |
| 14                   | 5.33                  | 21.5                  | 2.48         | 29.31          |
| 17                   | 7.5                   | 23.45                 | 3.05         | 34.0           |
| 19                   | 9.5                   | 10.45                 | 3.55         | 23.5           |
| 21                   | 11.96                 | 18.5                  | 3.2          | 33.66          |
| 23                   | 9.0                   | 25.9                  | 3.05         | 37.95          |
| 24                   | 8.87                  | 14.5                  | 3.05         | 26.42          |
| 25                   | 9.84                  | 11.43                 | 9.85         | 31.12          |
| 28                   | 6.6                   | 8.25                  | 2.8          | 17.65          |
| 29                   | 9.1                   | 15.7                  | 3.2          | 28.0           |
| 34                   | 8.0                   | 12.0                  | 3.0          | 23.0           |
| 36                   | 10.55                 | 7.5                   | 10.53        | 28.58          |
| 40                   | 7.0                   | 6.5                   | 3.06         | 16.56          |
| 55                   | 13.0                  | 20.0                  | 3.2          | 36.2           |
| 57                   | 11.78                 | 5.08                  | 3.23         | 20.06          |
| 58                   | 23.0                  | 8.5                   | 5.5          | 36.97          |
| 59                   | 9.0                   | 18.2                  | 9.0          | 36.2           |
| 62                   | 9.2                   | 9.3                   | 3.5          | 22.0           |
| 68                   | 6.75                  | 8.0                   | 2.9          | 17.65          |
| 71                   | 6.8                   | 5.2                   | 2.69         | 14.69          |
| 79                   | 9.95                  | 39.0                  | 3.05         | 52.0           |
| 80                   | 5.68                  | 7.0                   | 2.3          | 15.0           |
| 88                   | 10.8                  | 8.0                   | 3.7          | 22.5           |
| AN                   | 10.0                  | 29.0                  | 3.0          | 42.0           |
| BD                   | 11.7                  | 13.5                  | 3.21         | 28.41          |
| BM                   | 11.5                  | 11.5                  | 3.04         | 26.04          |
| BT                   | 8.5                   | 35.0                  | 8.5          | 52.0           |
| CB                   | 9.0                   | 30.0                  | 3.0          | 42.0           |
| CD                   | 9.24                  | 12.0                  | 9.24         | 30.48          |

| APPLICATION SPECIFIC |                          |                          |              |                |
|----------------------|--------------------------|--------------------------|--------------|----------------|
| PIN<br>STYLE         | MATING<br>LENGTH<br>±0.2 | STACK<br>HEIGHT<br>±0.25 | "B"<br>±0.25 | ("OAL")<br>REF |
| CF                   | 8.25                     | 16.0                     | 8.25         | 32.5           |
| CG                   | 6.0                      | 40.0                     | 6.0          | 52.0           |
| CH                   | 11.02                    | 12.0                     | 3.02         | 26.04          |
| CN                   | 7.08                     | 5.60                     | 7.08         | 19.77          |
| CP                   | 9.50                     | 7.00                     | 2.41         | 18.91          |
| CT                   | 11.0                     | 6.0                      | 11.0         | 28.0           |
| CU                   | 9.75                     | 13.0                     | 9.75         | 32.5           |
| CV                   | 9.44                     | 13.00                    | 3.60         | 26.04          |
| CW                   | 5.00                     | 36.00                    | 5.00         | 46.00          |
| CX                   | 10.00                    | 26.00                    | 6.00         | 42.00          |
| CY                   | 10.9                     | 18.20                    | 10.9         | 40.00          |
| CZ                   | 5.5                      | 23.00                    | 5.50         | 34.00          |
| DA                   | 13.00                    | 14.50                    | 6.50         | 34.00          |
| DB                   | 12.75                    | 8.50                     | 12.75        | 34.00          |
| DC                   | SEE SHEET 3              |                          |              |                |
| DE                   | 6.00                     | 34.00                    | 6.00         | 46.00          |
| DF                   | 9.12                     | 7.80                     | 9.12         | 26.04          |
| DG                   | 3.50                     | 43.00                    | 3.50         | 50.00          |
| DH                   | 6.50                     | 8.00                     | 6.50         | 21.00          |
| DJ                   | 5.80                     | 17.75                    | 5.80         | 29.31          |
| DK                   | 5.40                     | 9.00                     | 2.90         | 17.30          |
| DL                   | 9.00                     | 8.50                     | 6.00         | 23.50          |
| DM                   | 7.40                     | 23.70                    | 3.30         | 34.40          |
| DN                   | 7.40                     | 12.10                    | 3.30         | 22.80          |
| DP                   | 8.00                     | 16.80                    | 5.40         | 30.20          |
| DR                   | 6.40                     | 15.00                    | 6.40         | 27.80          |
| DS                   | 7.00                     | 29.00                    | 7.00         | 43.00          |
| DT                   | 9.80                     | 27.40                    | 9.80         | 47.00          |
| DU                   | 9.50                     | 36.50                    | 9.50         | 55.50          |
| DV                   | 9.30                     | 6.30                     | 5.80         | 22.00          |
| DW                   | 5.30                     | 40.40                    | 3.30         | 49.00          |

| APPLICATION SPECIFIC |                          |                          |              |               |
|----------------------|--------------------------|--------------------------|--------------|---------------|
| PIN<br>STYLE         | MATING<br>LENGTH<br>±0.2 | STACK<br>HEIGHT<br>±0.25 | "B"<br>±0.25 | ("OAL"<br>REF |
| DX                   | 6.50                     | 12.50                    | 6.50         | 25.50         |
| DY                   | 6.50                     | 9.50                     | 6.50         | 22.50         |
| EA                   | 6.65                     | 32.30                    | 3.05         | 42.00         |
| EB                   | 2.66                     | 15.00                    | 5.84         | 23.50         |
| EC                   | 10.00                    | 39.60                    | 2.40         | 52.00         |
| ED                   | 5.40                     | 57.20                    | 2.40         | 65.00         |
| EF                   | 5.84                     | 46.50                    | 3.05         | 55.40         |
| EG                   | 5.60                     | 20.00                    | 5.64         | 31.24         |
| EH                   | 4.60                     | 15.00                    | 1.50         | 21.10         |
| EJ                   | 9.26                     | 5.08                     | 9.26         | 23.60         |
| EK                   | 6.00                     | 7.50                     | 6.00         | 19.50         |
| EL                   | 6.00                     | 12.30                    | 4.10         | 22.40         |
| EM                   | 9.00                     | 9.30                     | 6.21         | 24.50         |
| EN                   | 5.75                     | 26.90                    | 5.75         | 38.40         |

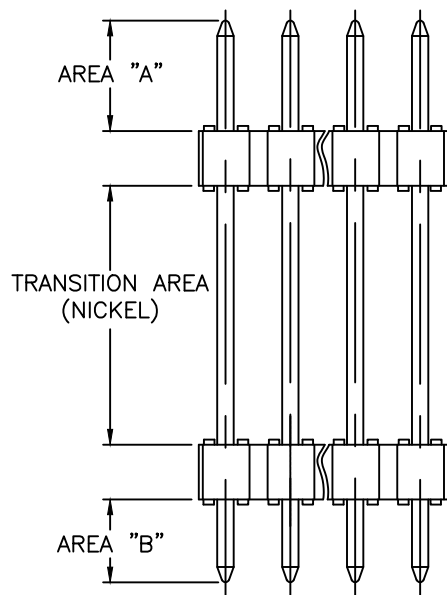
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| SEE SHEET 3 |
|-------------|

SEE SHEET 3

|             |
|-------------|
| SEE SHEET 3 |
|-------------|

SEE SHEET 3

[illegible]



# SPECIFICS PLATING AREA FOR PART NUMBERS :

P/N 76745-1CH-10LF

P/N 76745-1CH-18LF

P/N 76745-579R24LF

P/N 76745-579R30LF

P/N 76745-1CU-20LF

P/N 76745-1DF-26LF

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



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|             |          |      |           |                                       |                  |            |                  |
|-------------|----------|------|-----------|---------------------------------------|------------------|------------|------------------|
| mat'l. code |          |      |           | surface                               | tolerance        | projection | product family   |
|             |          |      |           | ISO 1302                              | ISO 406 ISO 1101 |            | BSTIK            |
| ltr         | ecn no   | dr   | date      | tolerances unless otherwise specified |                  |            | title            |
| A           | F06-110  | LMU  | 06.01.26  | angles                                | linear           | mm         | HEADER STR,DR    |
| B           | F06-0196 | LMU  | 06.06.20  |                                       |                  |            | DOUBLE BODY      |
| C           | F07-0266 | J.CO | 07.10.15  |                                       |                  | scale      |                  |
| D           | F12-0023 | LMU  | 12.06.06  | dr                                    | L.MULIN          | 06.01.31   | dwg no           |
| E           | F12-0090 | JFA  | 12.12.07  | enr                                   | J.COMPAGNON      | 06.01.31   | sheet 3 of 4     |
| F           | B-16665  | LMU  | 14..01.06 | chr                                   |                  |            | size             |
|             |          |      |           | appd                                  | JMC              | 06.01.31   | 76745 A3         |
| sheet       | revision |      |           |                                       |                  |            | type             |
| index       | sheet    |      |           |                                       |                  |            | CUSTOMER Drawing |

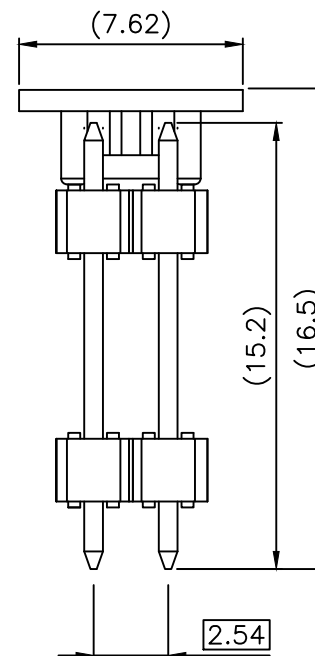
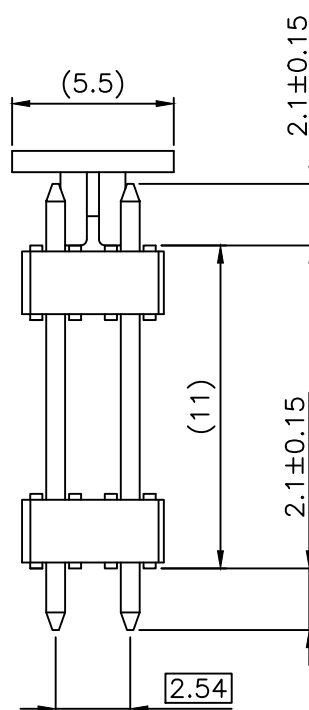
SPECIFIC PRODUCT NUMBER

76745-3DCA04LF

RoHS COMPLIANT  
TOTAL NB OF POS  
PACKAGING TYPE, SEE NOTE 1  
PIN STYLE  
PLATING  
3 = 2µm MATTE TIN  
OVER 1.27µm Ni MIN

NOTES :

1. PACKAGING : A = TAPE & REEL PACKAGING  
WITH PICK UP CAP INSTALLED  
SEE TA 840
2. PRODUCT COMPATIBLE WITH REFLOW PROCESS.  
255°C PEAK TEMPERATURE 10-40 SECONDES IN  
A CONVECTION, INFRA-RED OR VAPOR PHASE



|             |         |                |          |                                       |             |                               |          |                                                                                                     |                                                                                       |                              |        |      |              |          |      |         |
|-------------|---------|----------------|----------|---------------------------------------|-------------|-------------------------------|----------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|--------|------|--------------|----------|------|---------|
| mat'l. code |         |                |          | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406 ISO 1101 |          | projection<br> |                                                                                       | product family<br>BSTIK      |        |      |              |          |      |         |
| ltr         | ecn no  | dr             | date     | tolerances unless otherwise specified |             |                               |          |                                                                                                     |                                                                                       | title                        |        |      |              |          |      |         |
| A           | B-16665 | LMU            | 14.01.06 | angles                                |             | linear                        |          |                |                                                                                       | HEADER STR,DR<br>DOUBLE BODY |        |      |              |          |      |         |
|             |         |                |          |                                       |             |                               |          | scale                                                                                               |                                                                                       |                              |        |      |              |          |      |         |
|             |         |                |          |                                       |             |                               |          |                                                                                                     |                                                                                       |                              |        |      |              |          |      |         |
|             |         |                |          | dr                                    | L.MULIN     |                               | 13.02.18 |                                                                                                     |  |                              | dwg no |      | sheet 4 of 4 |          | size |         |
|             |         |                |          | engr                                  | J.COMPAGNON |                               | 13.02.18 |                                                                                                     |                                                                                       |                              | 76745  |      |              |          | A3   |         |
|             |         |                |          | chr                                   |             |                               |          |                                                                                                     |                                                                                       |                              |        |      |              |          |      |         |
|             |         |                |          | appd                                  | JMC         |                               | 13.02.18 |                                                                                                     |                                                                                       |                              |        |      |              |          |      |         |
| sheet index |         | revision sheet |          |                                       |             |                               |          |                                                                                                     |                                                                                       |                              |        | type |              | CUSTOMER |      | Drawing |