

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

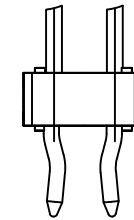
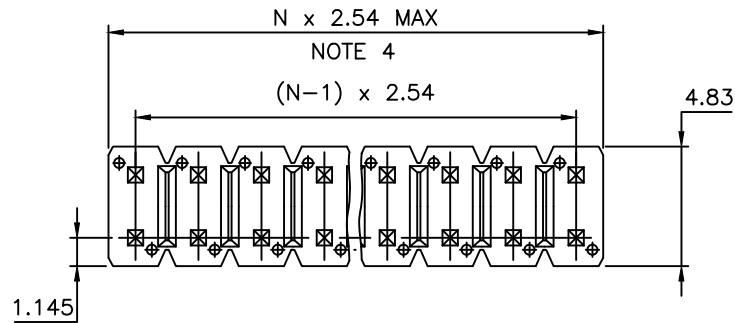
- 1 = 0.76µm GOLD/GXT,
- 3 = 2µm MIN MATTE TIN FULL PLATED
- 5 / 8 = 0.38µm GOLD/GXT
- 1.27µm Ni MIN UNDERPLATING

NOTES:

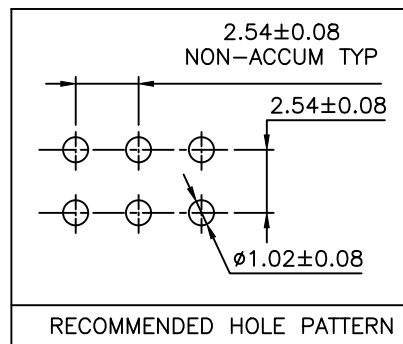
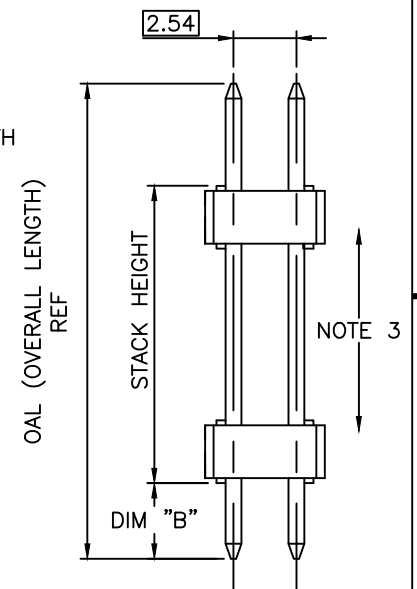
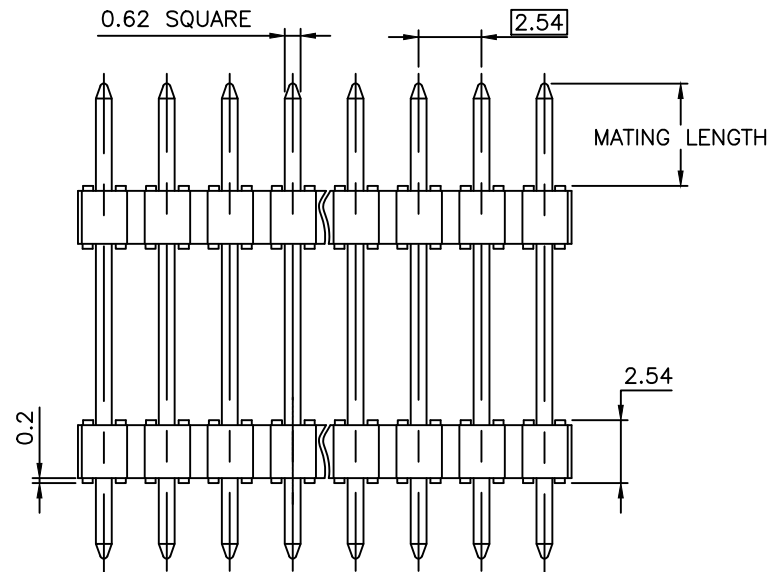
- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK.
- PIN MATERIAL : PHOSPHOR BRONZE.
- 12N MIN RETENTION IN EITHER DIRECTION.
- TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS PER ROW,  $N \times 2.54 = 20.32\text{mm}$
- FOR STANDARD SELECTIVE GOLD PLATED 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 | product family   |  |  |
|-------------|----------|-----|----------|----------|---------------------------------------|-------------|-------------|----------|------------|------------------|--|--|
| SEE NOTES   |          |     |          | ISO 1302 | ISO 406                               | ISO 1101    | ISO 406     | ISO 1101 |            | BSTIK            |  |  |
| lfr         | ecn      | no  | dr       | date     | tolerances unless otherwise specified |             |             |          | mm         | title            |  |  |
| FF          | B-19782  | AMA | 14.12.18 |          | angles                                | linear      | x.x ±0.3    |          |            | HEADER STR,DR    |  |  |
| FG          | B-20322  | AMA | 15.01.27 |          |                                       |             | x.xx ±0.13  |          |            | DOUBLE BODY      |  |  |
| FH          | F-22479  | BVE | 15.11.12 |          |                                       |             | x.xxx ±0.05 |          | scale 5:1  | dwg no           |  |  |
| FK          | F-28617  | DDE | 17.11.27 |          | dr                                    | NIZZI P     | 94.05.05    |          |            | sheet 1 of 4     |  |  |
|             |          |     |          |          | enrg                                  | COMPAGNON J | 95.12.05    |          |            | size             |  |  |
| FD          | B-19264  | LMU | 14.11.03 |          | chr                                   |             |             |          |            | 76745            |  |  |
| FE          | B-19345  | LMU | 14.11.07 |          | appd                                  | JMC         | 95.12.05    |          |            | A3               |  |  |
| sheet       | revision | FK  | CC       | F        | A                                     |             |             |          |            | type             |  |  |
| index       | sheet    | 1   | 2        | 3        | 4                                     |             |             |          |            | CUSTOMER Drawing |  |  |

1

2

3

4

5

6

1

2

3

4

5

6

1

2

3

4

5

6

1

2

3

4

5

6

1

2

3

4

5

6

1

2

3

4

5

6

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 STYLE | MATING LENGTH<br>±0.2 | STACK 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 STYLE | MATING LENGTH<br>±0.2 | STACK 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         | 24.51          |
| EN        | 5.75                  | 26.90                 | 5.75         | 38.40          |

SEE SHEET 3

SEE SHEET 3

SEE SHEET 3

SEE SHEET 3

SEE SHEET 3

mat'l. code

ltr

ecn no

dr

date

surface

tolerance

projection

product family

title

scale

dwg no

sheet 2 of 4

size

type

CUSTOMER

Drawing

CB

B-20322

AMA

15.01.27

CC

F-28617

DDE

17.11.27

ISO 1302

ISO 406

ISO 1101

tolerances unless otherwise specified

angles

linear

mm

scale

76745

A3

type

CUSTOMER

Drawing

FCI

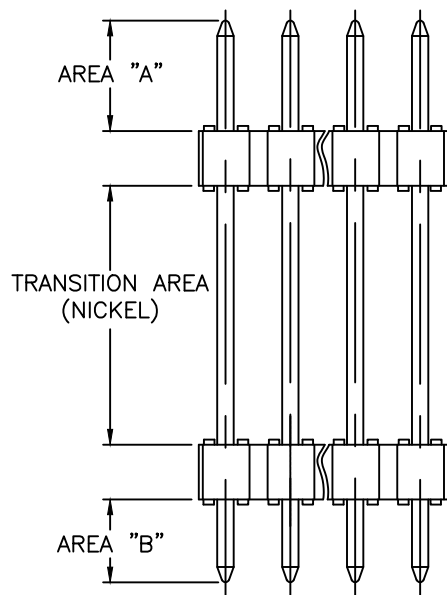
Copyright FCI

form: A3

PDS: Rev :FK

STATUS:Released

Printed: Nov 28, 2017



# 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

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

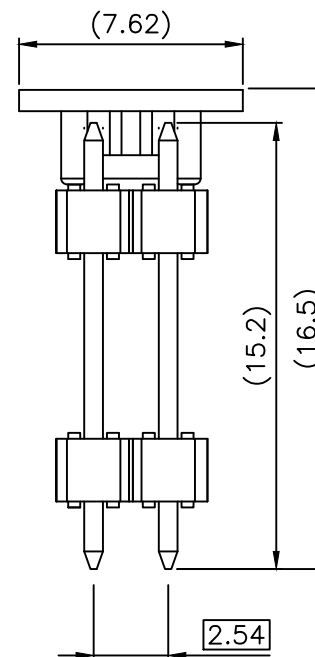
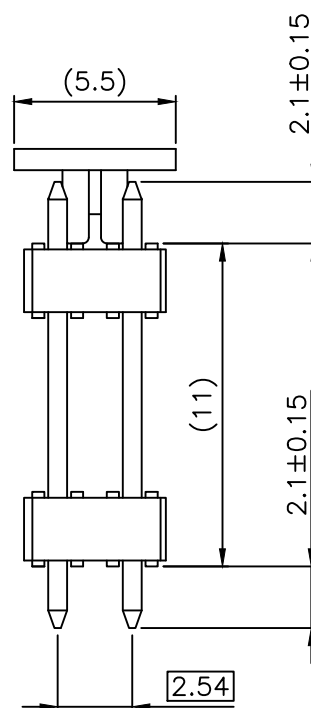
SPECIFIC PRODUCT NUMBER

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                               | tolerance   | projection | product family |              |                  |  |
| lfr         | ecr no   | dr  | date     | ISO 1302                              | ISO 406     | ISO 1101   | BSTIK          |              |                  |  |
| A           | B-16665  | LMU | 14.01.06 | tolerances unless otherwise specified |             |            | title          |              |                  |  |
|             |          |     |          | angles                                | linear      | mm         | HEADER STR,DR  |              |                  |  |
|             |          |     |          |                                       |             | scale      | DOUBLE BODY    |              |                  |  |
|             |          |     |          | dr                                    | L.MULIN     | 13.02.18   | dwg no         | sheet 4 of 4 | size             |  |
|             |          |     |          | enrg                                  | J.COMPAGNON | 13.02.18   | 76745          |              | A3               |  |
|             |          |     |          | chr                                   |             |            |                |              |                  |  |
|             |          |     |          | appd                                  | JMC         | 13.02.18   | type           |              | CUSTOMER Drawing |  |
| sheet       | revision |     |          |                                       |             |            |                |              |                  |  |
| index       | sheet    |     |          |                                       |             |            |                |              |                  |  |