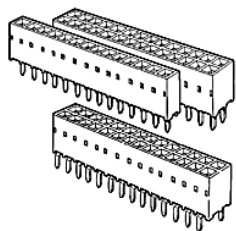


76342-319LF - DUBOX™ : 38
Position PCB Mounted
Receptacle Through Mount,
Top Entry, Double Row



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Mating Half

▷ 77313-101-38LF

▷ 95278-101-38LF

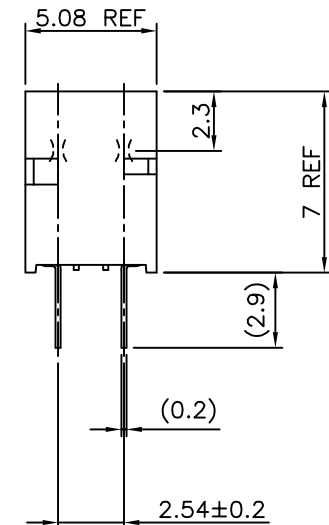
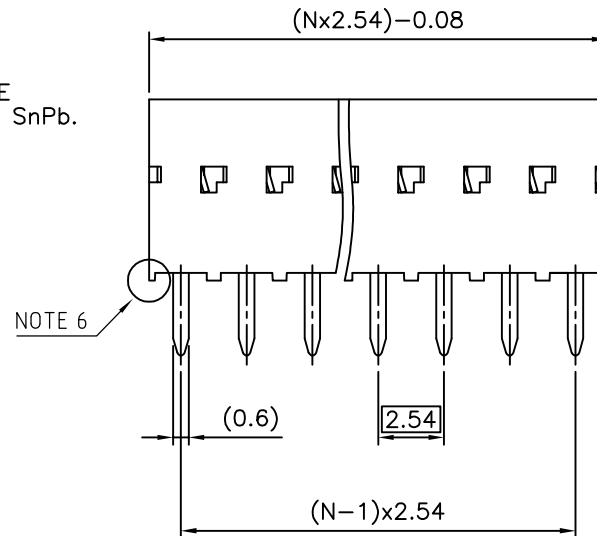
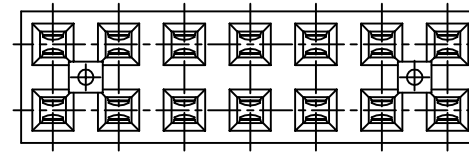
Specifications

| | |
|------------------------------|---|
| General | |
| Hold Down Style | No Locating Pegs |
| Number of contacts (per row) | 19 |
| Number of contacts (Total) | 38 |
| Number of rows | 2 |
| Orientation | Vertical |
| Packaging | Tube |
| Mating half | Mates with 0.64 mm (0.025 in.) Square pins. |
| Series Number | 76342 |
| Dimensional | |
| Thickness (Board) | 1.6 mm (0.062 in.) or 2.36 mm (0.093 in.) |
| Footprint (Board) | 2.54 mm x 2.54 mm (0.1 in. x 0.1 in.) |
| Electrical | |
| Current rating | 3A max. per Contact/2A max. per Contact for Full Load |
| Resistance (Contact) | 15 milli ohms Initial, 20 milli ohms After test |
| Resistance (Insulation) | 100000 M-ohms |
| Voltage rating | 1000V rms |
| Mechanical | |
| Insertion force | 1.50N (150 gf) per Contact |
| Withdrawal Force | 0.3N (30 gf) min. per Contact |
| Mounting | |
| Solder process | Compatible with Wave Soldering Processes |
| Physical | |
| Color (Housing) | Blue |
| Material (Contact) | Phosphor Bronze |
| Material (Housing) | Glass - Filled Thermoplastic Polyester |
| Plating (Contact area) | 0.76 µm (30 µin.) Gold |

| | |
|-----------------------------------|----------------------------|
| Plating (Tail) | 3.81µm (150 µin.) Tin-Lead |
| Underplating (Contact) | 1.27 µm (50 µin.) Nickel |
| Flammability rating | UL 94 V-0 |
| Temperature (Range) | -65 °C to +125 °C |
| Approvals / Certifications | |
| UL File Number | E66906 |
| CSA File Number | LR46923 |
| Approvals / Certifications | UL and CSA Approved |

PRODUCT NUMBER
76342-YXXXXLF

WHEN NEEDED, SUFFIX LETTER "LF"
INDICATES THE PRODUCT IS RoHS
COMPATIBLE, SEE NOTE 10
OPTIONAL LETTER
H: HIGH TEMPERATURE PRODUCT.
C: PACKAGED IN SHORT TUBE.
NUMBER OF POSITIONS PER ROW: 02 TO 50.
PLATING CODE
3= 0.76µm GOLD ON CONTACT AREA.
3.81µm TIN-LEAD ON TAIL.
4= 5µm TIN-LEAD ON CONTACT AREA.
3.81µm TIN-LEAD ON TAIL.
WHEN SUFFIX "LF" IS REQUIRED, 2µm MIN MATTE
TIN OVER 1.27 MIN Ni IS SUPPLIED INSTEAD OF SnPb.



NOTES:

- 1 - HOUSING MAT'L: THERMOPLASTIC GLASS FILLED
FLAME RETARDANT PER UL 94 V-0
LOW TEMPERATURE: COLOR BLUE
HIGH TEMPERATURE: COLOR GREY.
 - 2 - TERMINAL MATERIAL: PHOSPHOR BRONZE.
 - 3 - 2 UP TO 4 POSITIONS PRODUCT PACKED IN PLASTIC BOX.
5 UP TO 50 POSITIONS PRODUCT PACKED IN TUBE.
 - 4 - TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW
EXAMPLE: 8 POS: (N x 2.54) - 0.08 = 20.24 mm
 - 5 - 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
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-22-008
- 6 - END STAND-OFFS FOR 2x2 UP TO 2x5 POS
NO END STAND-OFFS FOR 2x6 UP TO 2x50 POS

| | | | | | | | | | |
|--------------------------------|----------------|---------------------|----------|---------------------------------------|-----------|------------------|------------------|----------------------------|------------|
| mat'l. code SEE NOTES 1 & 2 | | surface ISO 1302 | | tolerance ISO 406 ISO 1101 | | projection mm | | product family DUBOX | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | mm | | title | |
| S | F10342 | DLE | 01.06.12 | angles | linear | ±0.3 | | BtB RECEPT. VERT DR TMT | |
| U | F06-0137 | DLE | 06.02.27 | ±2° | | scale 5:1 | | sheet 1 of 2 | |
| V | F06-0204 | DLE | 06.06.20 | dr | D LEGRAND | 04.09.27 | FCI | | size A3 |
| W | F11-0043 | JCO | 12.02.22 | enr | P NIZZI | 04.09.27 | 76342 | | |
| R | F10110 | GCO | 01.01.16 | chr | D LEGRAND | 04.09.27 | type CUSTOMER | | Drawing |
| sheet index | revision sheet | W | B | | | | | | |
| | | 1 | 2 | | | | | | |

1

2

A

A

B

B

C

C

D

D

form: A4

1

2

Fcconnect.com

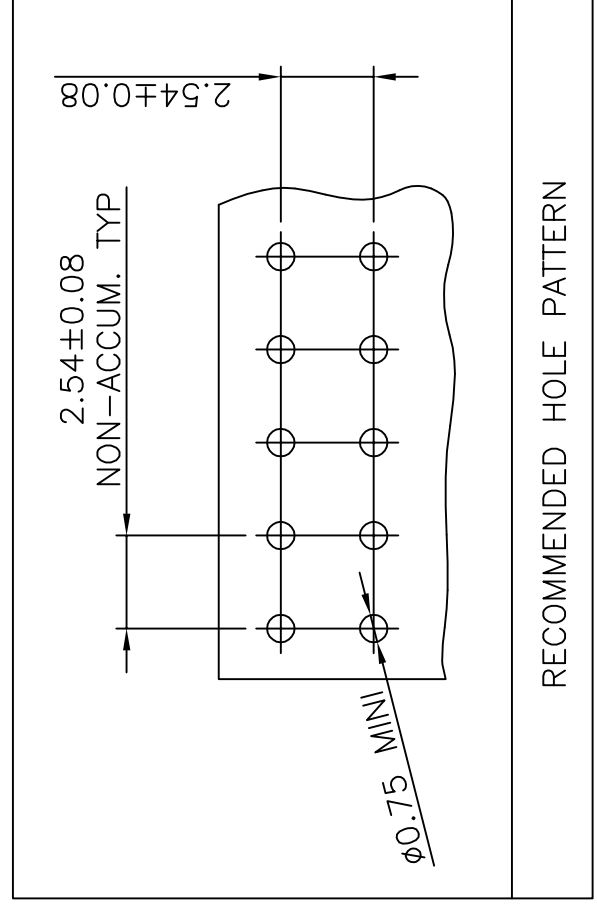


PDM: Rev:W

STATUS: Released

Printed: Mar 20, 2012

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| | | | | | | | | | | | |
|-------------|--|--------------|--|---------------------------------------|--|---------------------|--|------------|--|----------------------------|--|
| mat'l. code | | SEE SHEET 1 | | surface | | tolerance | | projection | | product family | |
| lfr | | ecn no | | ISO 1302 | | ISO 406 ISO 1101 | | | | DUBOX | |
| dr | | date | | tolerances unless otherwise specified | | otherwise specified | | mm | | title | |
| A | | E04-0347 DLE | | angles | | ±0.3 | | scale 5:1 | | BtB RECEPT. VERT DR TMT | |
| B | | F06-0204 DLE | | ±2' | | | | FCJ | | dwg no | |
| | | | | dr | | D LEGRAND | | | | sheet 2 of 2 | |
| | | | | engr | | P NIZZI | | | | size | |
| | | | | chr | | D LE | | | | A4 | |
| | | | | appd | | P NZ | | | | type | |
| sheet | | revision | | | | | | | | CUSTOMER | |
| index | | sheet | | | | | | | | Drawing | |