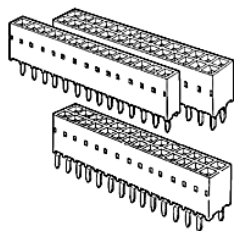


87606-311LF - DUBOX™ : 22
Position PCB Mounted
Receptacle, Through Mount,
Top Entry, Double Row



www.fci.com

Mating Half

➤ 77313-101-22LF

➤ 95278-101-22LF

Specifications

General	
Hold Down Style	No Locating Pegs
Number of contacts (per row)	11
Number of contacts (Total)	22
Number of rows	2
Orientation	Vertical
Packaging	Tube
Mating half	Mates with 0.64 mm (0.025 in.) Square pins.
Series Number	87606
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
Approvals / Certifications	UL and CSA Approved

PRODUCT NUMBER
87606-YXXXLF

WHEN NEEDED, SUFFIX LETTER "LF"
INDICATES THE PRODUCT IS RoHS
COMPATIBLE, SEE NOTE 10
OPTIONAL LETTER SEE NOTE 6
NUMBER OF POSITIONS PER ROW: 02 TO 50.

PLATING CODE

3= 0.76 μ m GOLD ON CONTACT AREA.

3.81 μ m TIN-LEAD ON TAIL.

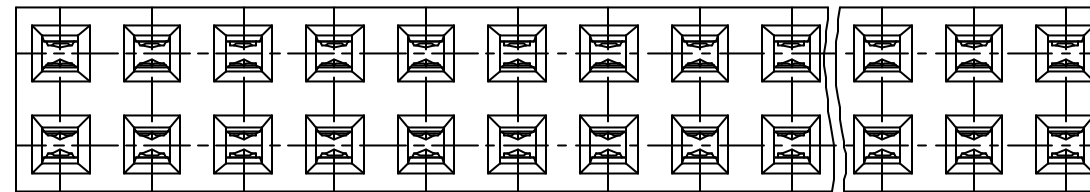
4= 5 μ m TIN-LEAD ON CONTACT AREA.

3.81μm TIN-LEAD ON TAIL.

8= 0.38 μ m GOLD ON CONTACT AREA.

3.81 μm TIN-LEAD ON TAIL.

WHEN SUFFIX "LF" IS REQUIRED, 2 μ m 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-O COLOR: BLUE.
- 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: $(N \times 2.54) - 0.08 = 20.24$ mm
- 5 - HE13 PRINTING ON 87606-3XX PRODUCT.
- 6 - A LETTER "H" AT THE END OF THE PART NUMBER
TO INDICATE A HIGH TEMP. PRODUCT
HOUSING MAT'L: THERMOPLASTIC GLASS FILLED
FLAME RETARDANT PER UL 94 V-O COLOR: GREY.
- 7 - 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

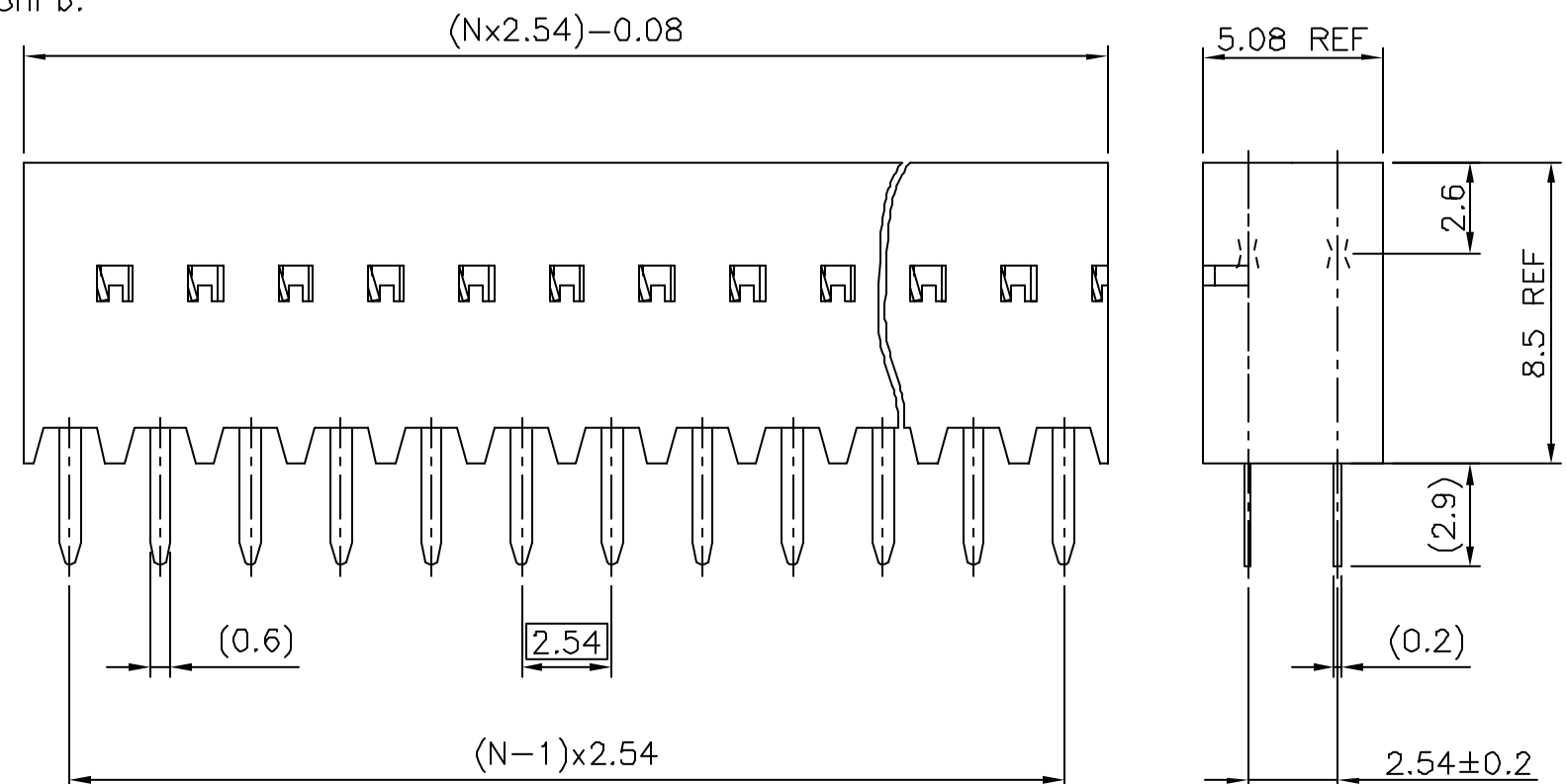
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C ±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.

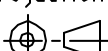
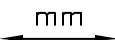
- c - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920

- d - LEGAL STATEMENT: SEE GS-22-008

- 8 - PRINTING & HOLE PATTERN SEE NEXT SHEET.



mat'l. code SEE NOTE 1				surface ISO 1302 ✓ tolerance ISO 416 ISO 1101			projection 		product family DUBOX								
Ltr ecn no dr date				tolerances unless otherwise specified					title BtB RECEPT. VERT DR TMT								
K F04-0347 DLE 04.09.23				angles	linear	±0.3		scale 5:1									
L F05-0230 DLE 05.08.08																	
M F06-0204 DLE 06.06.21						±2°											
N F07-0109 DLE 07.01.16				dr	D LEGRAND		04.09.23			dwg no sheet 1 of 2 size							
				engr	P NIZZI		04.09.23		FCI 								
H F10353 DLE 01.06.20				chr	D LE		04.09.23										
J F04-0345 DLE 04.09.22				appd	P NZ		04.09.23				type CUSTOMER Drawing						
sheet index		revision		N	D												
		sheet		1	2												

