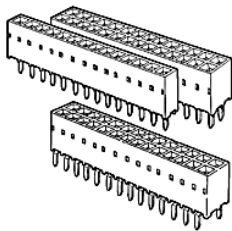


76342-302LF - DUBOX™ : 4
Position PCB Mounted
Receptacle Through Mount,
Top Entry, Double Row



www.fci.com

Mating Half

➤ 77313-101-04LF

➤ 95278-101-04LF

Specifications

General

Hold Down Style	No Locating Pegs
Number of contacts (per row)	2
Number of contacts (Total)	4
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
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Physical

Color (Housing)	Blue
Material (Contact)	Phosphor Bronze
Material (Housing)	Glass - Filled Thermoplastic Polyester
Plating (Contact area)	0.76 µm (30 µin.) Gold

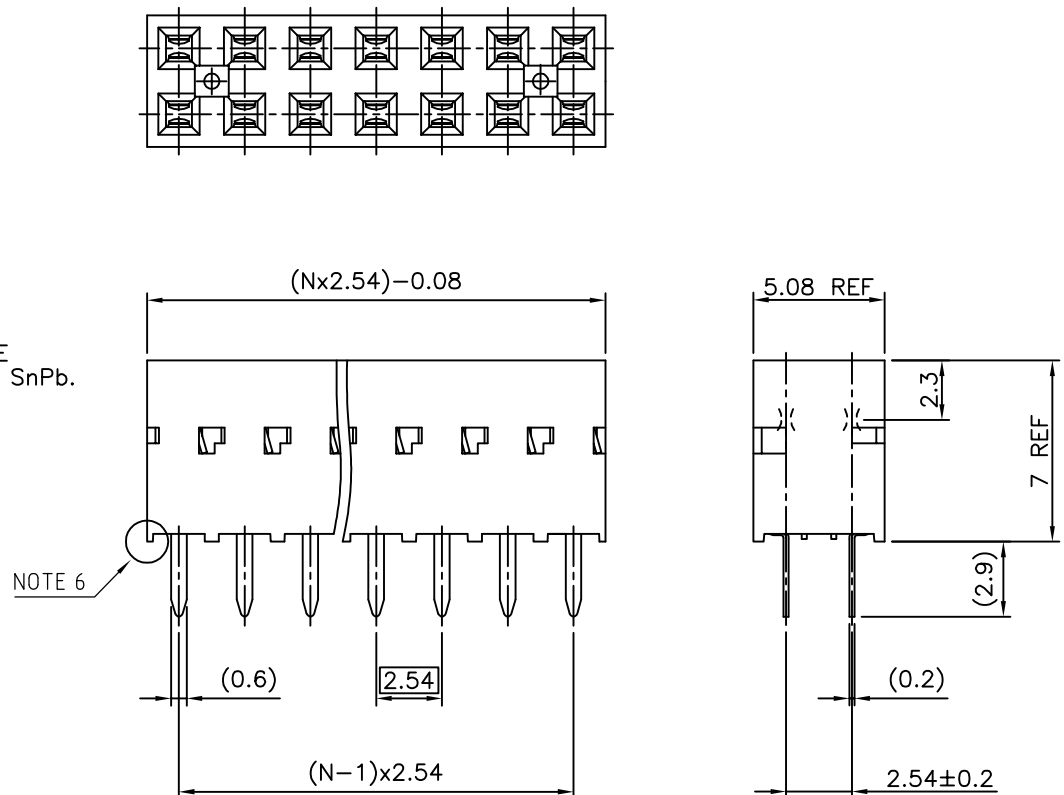
Plating (Tail)	3.81µm (150 µin.) Tin-Lead
Underplating (Contact)	1.27 µm (50 µin.) Nickel
Flammability rating	UL 94 V-0
Temperature (Range)	-65 °C to +125 °C
Approvals / Certifications	
UL File Number	E66906
CSA File Number	LR46923
Approvals / Certifications	UL and CSA Approved

PRODUCT NUMBER
76342-YXXXLF

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: $(N \times 2.54) - 0.08 = 20.24$ 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 		product family DUBOX											
lfr		ecn no		dr		date		tolerances unless otherwise specified				title									
S		F10342		DLE		01.06.12		angles		linear		±0.3		mm 		BtB RECEPT. VERT DR TMT					
T		F04-0347		DLE		04.09.27		±2'						scale 5:1							
U		F06-0137		DLE		06.02.27										dwg no		sheet 1 of 2		size	
V		F06-0204		DLE		06.06.20		dr		D LEGRAND		04.09.27				76342		A3			
W		F11-0043		JCO		12.02.22		engr		P NIZZI		04.09.27									
								chr		D LEGRAND		04.09.27									
R		F10110		GCO		01.01.16		appd		P NZ		04.09.27				type		CUSTOMER		Drawing	
sheet index		revision sheet		W		B															
				1		2															

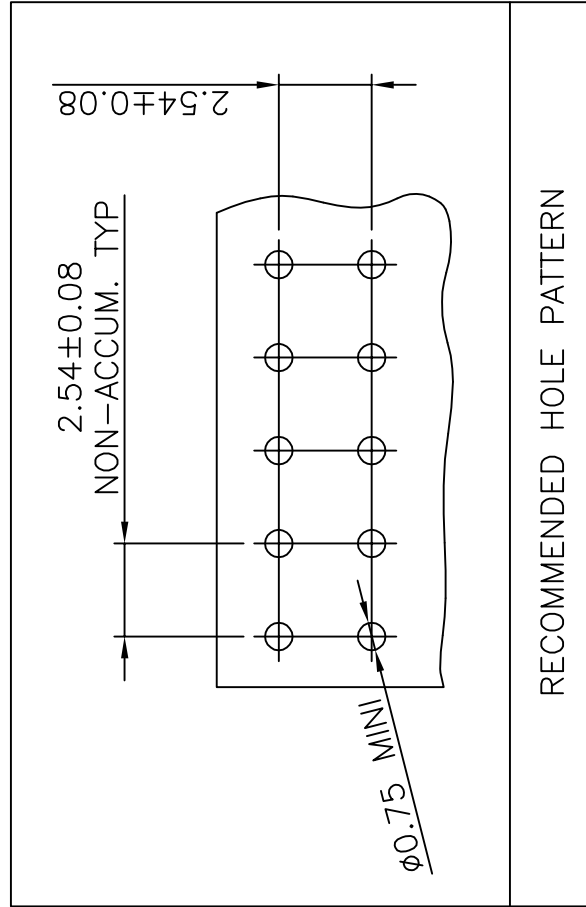


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PDM: Rev:W

STATUS:Released

Printed: Mar 20, 2012



mat'l. code				surface		tolerance		projection		product family			
SEE SHEET 1				ISO 1302 ✓		ISO 406 ISO 1101				product family		DUBOX	
ltr		ecn no		date		tolerances unless otherwise specified				title			
A		F04-0347		DLE 04.09.27		angles				BtB RECEPT.			
B		F06-0204		DLE 06.06.20		linear				VERT DR TMT			
						±2'				scale 5:1			
						dr		D LEGRAND		dwg no		sheet 2 of 2 size	
						engr		P NIZZI		76342		A4	
						chr		D LE		type		CUSTOMER	
						appd		P NZ		Drawing			
sheet index		revision											
		sheet											