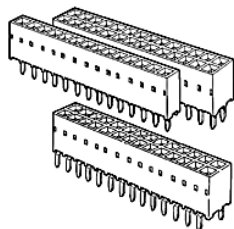


87606-322LF - DUBOX™ : 44
Position PCB Mounted
Receptacle, Through Mount,
Top Entry, Double Row



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Mating Half

➤ 77313-101-44LF

➤ 95278-101-44LF

Specifications

General

Hold Down Style	No Locating Pegs
Number of contacts (per row)	22
Number of contacts (Total)	44
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
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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
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= 0.76μm GOLD ON CONTACT AREA.

3.81μm TIN-LEAD ON TAIL.

4= 5μm TIN-LEAD ON CONTACT AREA.

3.81μm TIN-LEAD ON TAIL.

8= 0.38μm GOLD 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-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

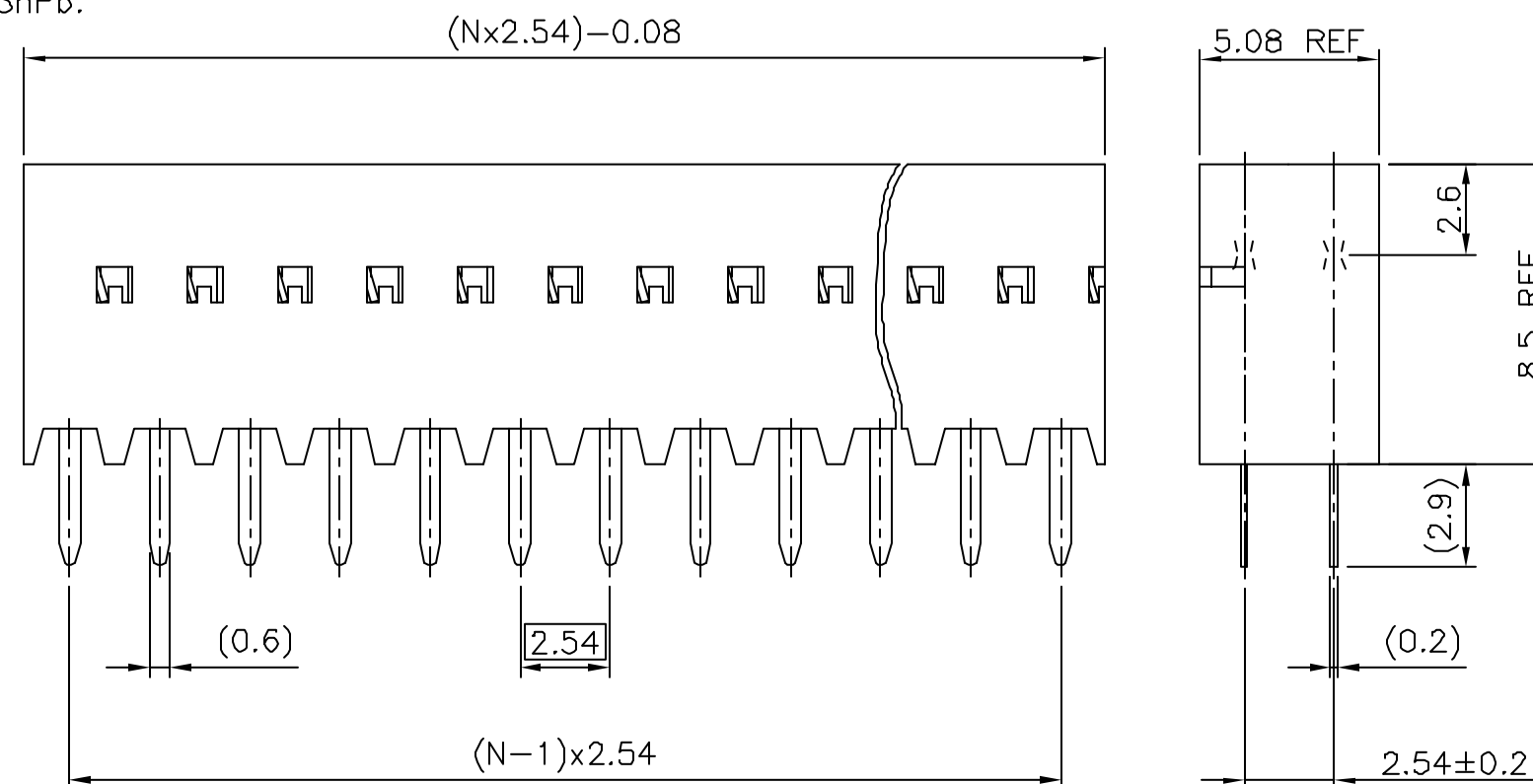
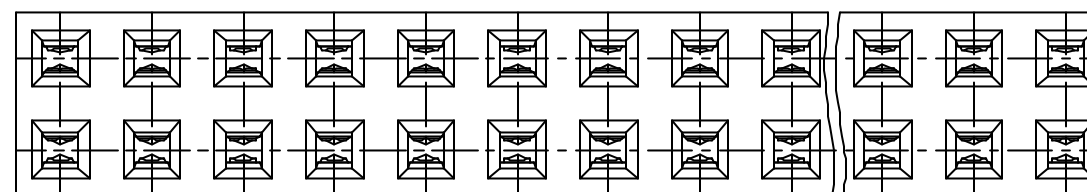
- THE HOUSING WILL WITHSTAND EXPOSURE TO
260°C ±5°C SOLDER BATH TEMPERATURE FOR
5 SECONDS IN A WAVE SOLDER APPLICATION
WITH A 1.6mm MIN THICK CIRCUIT BOARD.

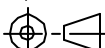
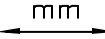
- c - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920

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

- 8 - PRINTING & HOLE PATTERN SEE NEXT SHEET.

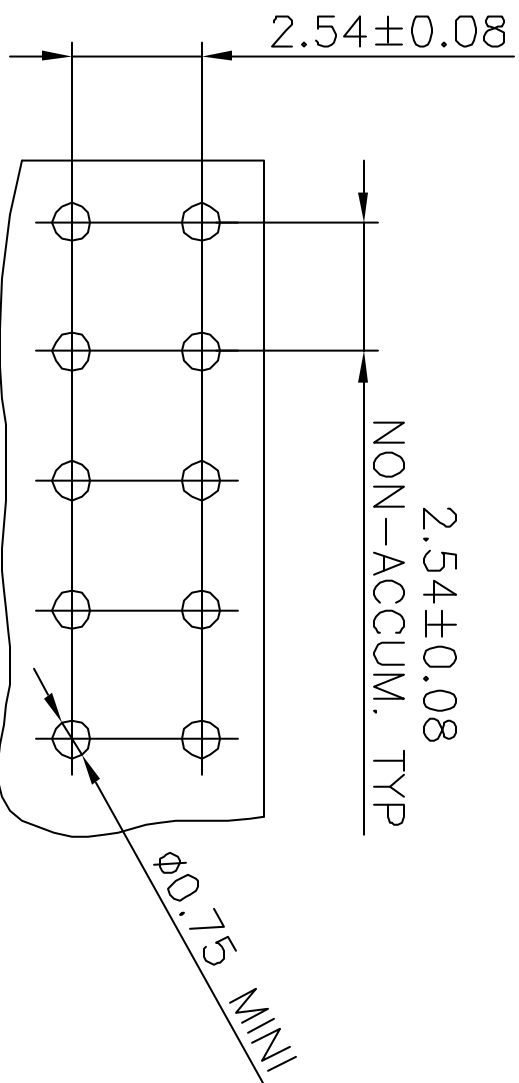


mat'l. code SEE NOTE 1				surface ISO 1302 ✓		tolerance ISO 416 ISO 1101		projection 		product family DUBOX						
ltr ecn no dr date				tolerances unless otherwise specified						title BtB RECEPT. VERT DR TMT						
K F04-0347		DLE	04.09.23	angles	Linear	±0.3										
L F05-0230		DLE	05.08.08													
M F06-0204		DLE	06.06.21	±2°				scale 5:1		dwg no 87606						
N F07-0109		DLE	07.01.16	dr	D LEGRAND		04.09.23									
					engr		P NIZZI		04.09.23		sheet 1 of 2					
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					
sheet index		revision		N	D					Drawing						
		sheet		1	2											



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RECOMMENDED HOLE PATTERN

mat'l. code					surface		☒		tolerance				projection		product family						
SEE SHEET 1					ISO 1302		☒		ISO 406		ISO 1101				DUBOX						
ltr	ecn no	dr	date		tolerances unless otherwise specified								title								
A	F04-0347	DLE	04.09.23		angles		linear		±0.3												
B	F05-0230	DLE	05.08.08		±2°						BtB RECEIPT. VERT DR TMT										
C	F06-204	DLE	06.06.21																		
D	F07-0109	DLE	07.01.16		dr	D	LEGRAND	04.09.23													
						P	NIZZI	04.09.23													
							D	LE	04.09.23												
							appd	P	NZ					04.09.23							
sheet index	revision sheet																				
										product family											
										DUBOX											
										BtB RECEIPT. VERT DR TMT											
dwg no										sheet 2 of 2										size	
87606										A4											
type										CUSTOMER										Drawing	