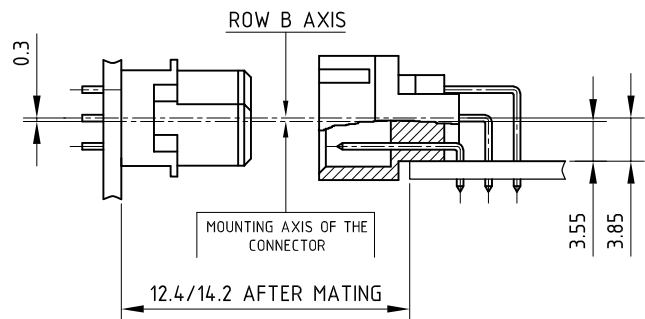
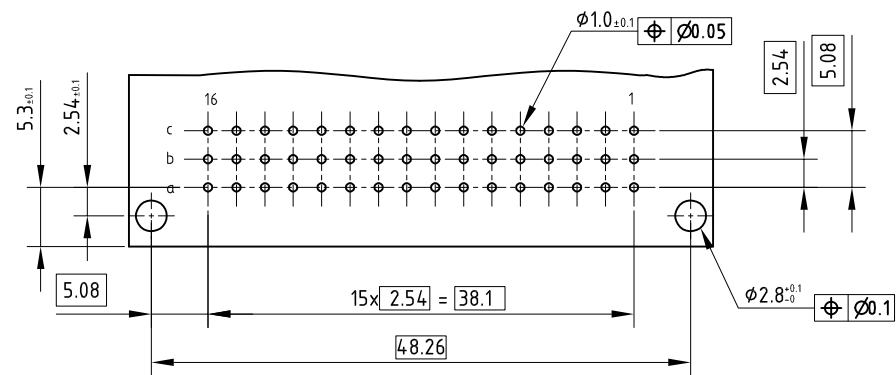


PCB DRILLING DETAILS



NOTES:

1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
2. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.
3. FOR GENERAL CHARACTERISTICS AND RoHS INFORMATION, REFER DRAWING C-8609-0000A.

TECHNICAL SPECIFICATION

HOUSING MATERIAL	:	HIGH TEMPERATURE THERMOPLASTIC POLYESTER (LCP) UL94V-0, NATURAL
	:	HOUSING CAN WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRARED OR VAPOUR REFLOW SOLDER APPLICATION
CONTACT / HARPOON MATERIAL	:	COPPER ALLOY
CONTACT ACTIVE ZONE PLATING	:	AU/GXT™ OVER NICKEL
CONTACT TERMINATION ZONE/HARPOON PLATING	:	
LEAD FREE VERSION	:	TIN (PURE MATTE) OVER NI
RAILWAY CLASSIFICATION	:	I2/F1 acc to NFF 16-101/102 R22/R23 to HL3 acc to EN45545-2:2013

ELECTRICAL DATA

CURRENT RATING AT 20°C	:	1.5 A
CURRENT (I MAX)	:	2 A
TEMPERATURE RANGE	:	-55°C/+125°C
CONTACT RESISTANCE	:	≤ 20mΩ
INSULATION RESISTANCE	:	≥ 10 <sup>6</sup> MΩ
TEST VOLTAGE (rms)	:	1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT	:	≤ 0.94N
EXTRACTION FORCE PER CONTACT	:	> 0.15N

REFERENCE SPECIFICATION : DIN 41612 / IEC 603-2

SERIES	8609	3	48	7	3	13	B	5	5	F1LF
ROWS FITTED WITH CONTACTS										
Rows a b c		3	48							
Rows a - c		4	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW MALE INSULATOR										
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C/2										
TERMINATION										
ANGLED SPILL SHORT (L = 2.6 <sup>+0.3/-0</sup> )										
ANGLED SPILL LONG (L = 4.0 <sup>+0.3/-0</sup> )										
OPTIONS										
HIGH TEMPERATURE HOUSING (NATURAL)										
HIGH TEMPERATURE HOUSING (NATURAL) WITH HARPOONS										
PERFORMANCE CLASS										
DIN 41612 CLASS 3										
DIN 41612 CLASS 2										
DIN 41612 CLASS 1										
AS PER MIL C 55302/ JSS 50808										
PITCH PER ROW										
2.54										
SPECIAL CODE : F1LF										

mat'l. code	SEE TECH. SPEC.	surface	ISO 1302	tolerance	ISO 406	ISO 1101	projection	product family	8609
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
A	-	MJA	2016-11-29	angles	linear	.0±.1	mm	DIN STANDARD HEADER	
B	ELX-I-28738	MJA	2017-12-09					ANGLED SPILL DIN 41612 STYLE-C/2	
C	ELX-I-40715	MJA	2021-04-20	0°±1°			scale 3:2	(HIGH TEMPERATURE VERSION)	
				dr	M JACOB	2016-11-29		dwg no	sheet 1 of 1
				engr	M JACOB	2016-11-29			size
				chr	M JACOB	2021-04-20		C-8609-2364	A3
				appd	SAN0J	2021-04-20		type	Product Customer Drawing
sheet index	revision sheet	C	1						

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