

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.

form: A3

TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL94V-0, GREY
HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C

CONTACT MATERIAL : COPPER ALLOY
CONTACT ACTIVE ZONE PLATING : GOLD / GXT™ OVER NICKEL
CONTACT TERMINATION ZONE :
LEAD FREE VERSION : TIN (PURE MATTE) OVER Ni

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 : ≥ 10⁶ MΩ
TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

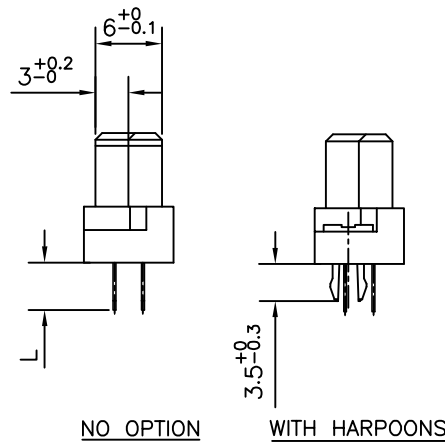
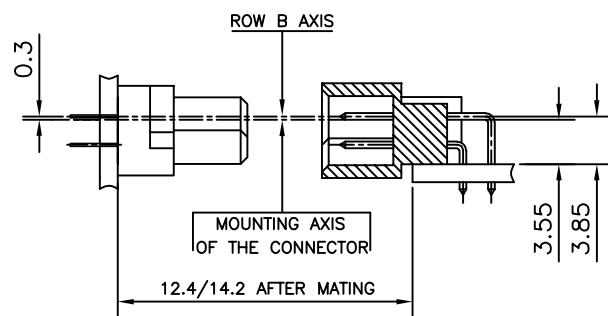
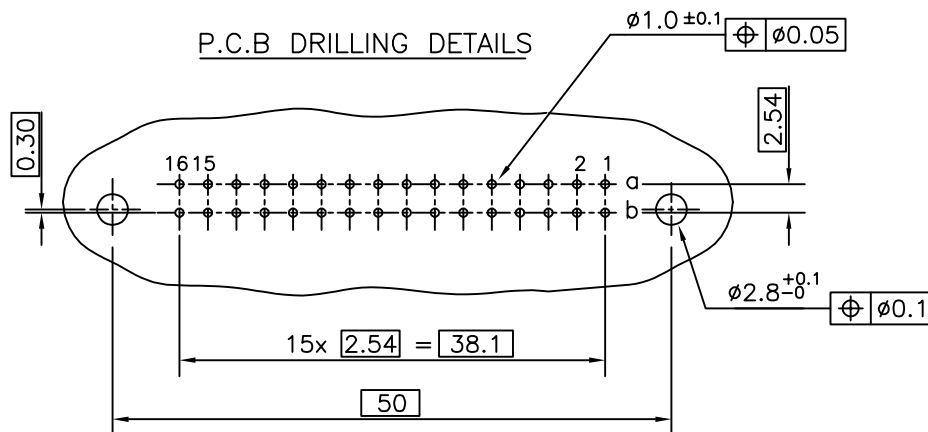
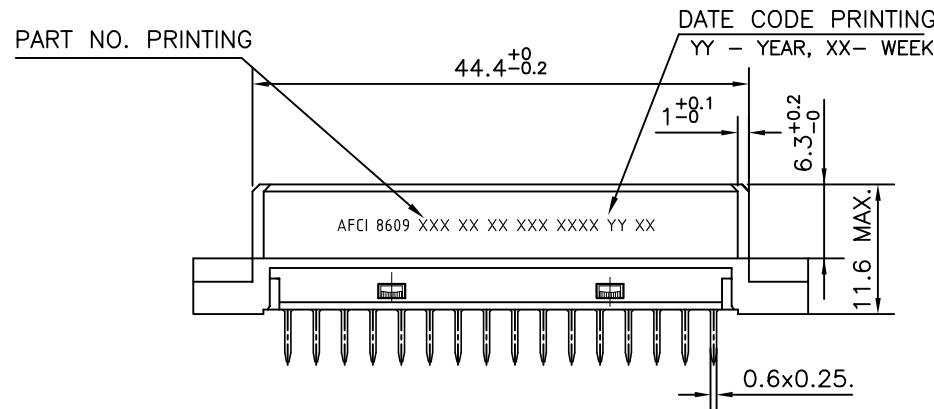
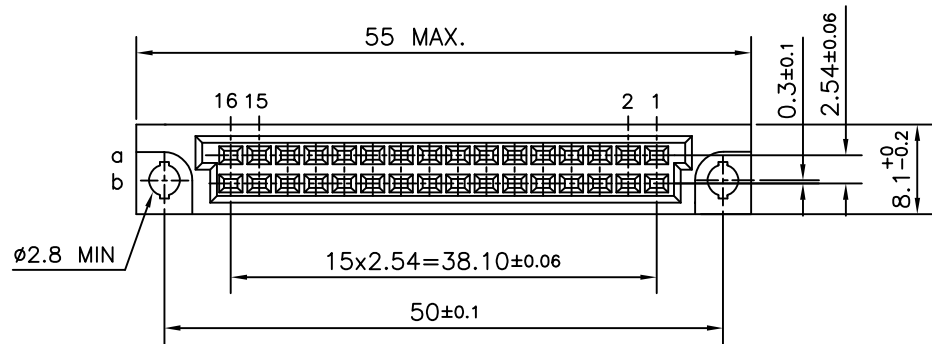
INSERTION FORCE PER CONTACT : ≤ 0.94N
EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	2	32	6	3	14	7	5	5	V1LF
ROWS FITTED WITH CONTACTS										
Rows a - - - - -		1	16							
Rows a b - - - - -		2	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
2 ROW FEMALE INSULATOR - - - - -				6						
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE B/2 - - - - -					3					
TERMINATION										
SHORT STRAIGHT SPILL (L - SEE TABLE) - - - - -									24	
LONG STRAIGHT SPILL (L - SEE TABLE) - - - - -									14	
OPTIONS										
NO OPTION - - - - -									7	
WITH HARPOONS - - - - -									H	
PERFORMANCE CLASS										
DIN 41612 CLASS 3 - - - - -									4	
DIN 41612 CLASS 2 - - - - -									5	
DIN 41612 CLASS 1 - - - - -									6	
AS PER MIL C 55302/ JSS 50808 - - - - -									8	
PITCH PER ROW										
2.54 - - - - -									5	

V1LF - - - - - LEAD FREE VERSION

mat'l. code				surface	tolerance	projection	product family			
-				ISO 1302	ISO 406 ISO 1101		8609			
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title			
A	-	MJA	2019-03-30	angles	linear		DIN STANDARD RECEPTACLE			
				0°±1°		scale -	STRAIGHT SPILL DIN 41612 STYLE-B/2			
				dr	M JACOB	2019-03-30	dwg no		sheet 1 of 1	size
				engr	M JACOB	2019-03-30	C-8609-2310			A3
				chr	M JACOB	2019-03-30				
				appd	BIJU K PAUL	2019-03-30	type Product Customer Drawing			
sheet index	revision sheet	A	1							



14	4.0
24	2.5
TERM. STYLE	L +0.7 -0

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[86092326324755V1LF](#) [86092326314755V1LF](#) [86092326314765V1LF](#) [86092326314745V1LF](#)