



NOTES:-

1. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
2. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 3.5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6 MM MINIMUM THICK CIRCUIT BOARD
3. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.

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 / HARPOON MATERIAL : COPPER ALLOY
 CONTACT ACTIVE ZONE PLATING : GOLD OVER NICKEL
 CONTACT TERMINATION ZONE PLATING : SnPb OVER Ni FOR TIN LEAD VERSION
 : Sn (PURE MATT) OVER Ni FOR LEADFREE VERSION
 HARPOON PLATING : SnPb OVER Ni FOR TIN LEAD VERSION
 : Sn (PURE MATT) OVER Ni FOR LEADFREE VERSION

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	3	24	8	3	14	7	5	0	F13E1
ROWS FITTED WITH CONTACTS										
Rows a b c	3 24									
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR	8									
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C/2	3									
TERMINATION										
LONG STRAIGHT SPILL	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									
SPECIAL CODE - TIN LEAD VERSION	F13E1									
CONTACTS LOADED IN	a : 1,2,5,6,9,14,15,16 b : 1,2,5,6,9,14,15,16 c : 1,2,5,6,9,14,15,16									
SPECIAL CODE - LEAD FREE VERSION	NMLF									
CONTACTS LOADED IN	a : 1,2,5,6,9,14,15,16 b : 1,2,5,6,9,14,15,16 c : 1,2,5,6,9,14,15,16									

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				±0.1	mm	title		
A	105-0119	MINI	2005-07-18	angles	linear				DIN STANDARD RECEPTACLE			
B	107-0078	KR	2007-06-23	±1°				STRAIGHT SPILL DIN 41612 STYLE-C/2				
				dr	KESAVAN.R	2005-07-18			dwg no		sheet 1 of 1	size
				engr	KESAVAN.R	2005-07-18			C-8609-2064		A3	
				chr	RAKHEE GEORGE	2007-06-23			type			Product Customer Drawing
				appd	RAKHEE GEORGE	2007-06-23						
sheet index	revision	B	1									



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