



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 UL94V0; GREY
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C FOR STRAIGHT CONNECTORS AS IT IS USED IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C.
 CONTACT & HARPOON MATERIAL : COPPER ALLOY
 ACTIVE ZONE PLATING : Au OVER Ni OR Au+Pd-Ni OVER Ni
 TERMINATION ZONE PLATING : Sn (PURE MATT) OVER Ni
 HARPOON PLATING : Sn (PURE MATT) OVER Ni

ELECTRICAL DATA

CURRENT RATING AT 20°C : 1.5 A
 CURRENT (I MAX) : 2 A
 TEMPERATURE RANGE : -55°C TO +125°C
 CONTACT RESISTANCE : ≤ 20 mΩ
 INSULATION RESISTANCE : ≥ 10⁶ MΩ
 TEST VOLTAGE (rms) : 1000 V

MECHANICAL DATA

INSERTION FORCE PER CONTACT : ≤ 0.94 N
 EXTRACTION FORCE PER CONTACT : ≥ 0.15 N
 REFERENCE SPECIFICATION : DIN 41612 OR IEC 603-2

SERIES	8609	3	96	7	8	14	7	4	5	ELF
ROWS FITTED WITH CONTACTS										
ROW a b c	3			96						
ROW a - c	4			64						
NO. OF CONTACTS										
TYPE OF INSULATOR	3 ROW MALE INSULATOR 7									
METHOD OF MOUNTING	REVERSE MOUNTING - STYLE R 8									
TERMINATION	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 mm 5									
LEAD FREE VERSION	ELF									

mat'l. code	surface	tolerance	projection	product family
SEE TECH. SPEC.	ISO 1302 ✓	ISO 406 ISO 1101		8609
ltr	ecn no	dr	date	title
A	104-0063	MINI	2004-09-17	DIN REVERSE HEADER
B	105-0089	MINI	2005-05-19	STRAIGHT SPILL DIN 41612 STYLE-R
C	105-0174	MINI	2005-09-27	
D	106-0061	MINI	2006-05-31	dr
E	108-0142	KR	2008-10-17	enr
				chr
				appd
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