



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	*
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	*
X		Standard Contact		✓		FMLB Contact		*		LMEB Contact				Empty Cavity																	

TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL94V0; GREY

HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C

WHEN USED WITH PROTECTIVE ADHESIVE OR PROTECTIVE METALLIC DEVICE FOR ANGLE CONNECTORS

AS IT IS USED IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C.

CONTACT & HARPOON MATERIAL : COPPER ALLOY

CONTACT ACTIVE ZONE PLATING : Au OVER Ni (or) Au+Pd-Ni OVER Ni

CONTACT 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 : ≥ 10<sup>6</sup> 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	1	13	7	5	5	SRLF
ROWS FITTED WITH CONTACTS										
ROW a b c	3									
ROW a - c	4									
NO. OF CONTACTS										
TYPE OF INSULATOR										
3 ROW MALE INSULATOR	7									
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C	1									
TERMINATION										
ANGLED SPILL	13									
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									
SPECIAL CODE: SPECIAL LOADING LEAD FREE VERSION	SRLF									

- 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.

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	109-0211	K7	2009-10-06	angles		linear		mm		DIN STANDARD HEADER					
				0°±1°				scale 3:2		ANGLED SPILL DIN 41612 STYLE-C					
				dr	JOHN SLEEBA	2009-01-20				dwg no		sheet 1 of 1		size	
				enr	JOHN SLEEBA	2009-01-20				C-8609-2166		A3			
				chr	KESAVAN R	2009-10-06									
				appd	KESAVAN R	2009-10-06				type		Product Customer Drawing			
sheet index	revision sheet	A	1												