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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 RIGHT ANGLE CONNECTORS AS IT IS USED IN CLASSICAL LEAD WAVE SOLDERING AT 235–250°C

CONTACT MATERIAL : COPPER ALLOY
CONTACT ACTIVE ZONE PLATING : GOLD OVER NICKEL

CONTACT TERMINATION ZONE
TIN LEAD VERSION : TIN LEAD OVER NICKEL
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 : $\leq 20\text{m}\Omega$
INSULATION RESISTANCE : $\geq 10^8\text{ M}\Omega$
TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT : $\leq 0.94\text{N}$
EXTRACTION FORCE PER CONTACT : $\geq 0.15\text{N}$
REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603–2

SERIES	8609	2	32	5	1	13	7	5	8	000E
ROWS FITTED WITH CONTACTS										
Rows a b –		2	32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
2 ROW MALE INSULATOR				5						
METHOD OF MOUNTING										
STANDARD MOUNTING – STYLE B					1					
TERMINATION										
ANGLED SPILL						13				
OPTIONS										
NO OPTION							7			
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										
5.08									8	
000E										TIN LEAD VERSION
ELF										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			title			
A	I05–0107	MINI	19/05/2005	angles	linear					
B	I06–0064	MINI	01/06/2006	0°±1°		scale	DIN STANDARD HEADER			
				dr	MINI K VANDANATH	19/05/2005				
				engr	RAKHEE GEORGE	19/05/2005				
				chr	RAKHEE GEORGE	01/06/2006				
				appd	RAKHEE GEORGE	01/06/2006				
sheet index	revision	B					dwg no	sheet 1 of 1	size	
	sheet	1					C-8609-2079		A3	
							type	Product Customer Drawing		

NOTES:-

- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- 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
- LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.