



TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL 94V-0, GREY
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-285°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 PLATING : GOLD OVER NICKEL
 ACTIVE ZONE : GOLD OVER NICKEL
 TERMINATION ZONE : TIN LEAD OVER NICKEL
 TIN LEAD VERSION : TIN LEAD OVER NICKEL
 LEAD FREE VERSION : TIN (PURE MATTE) OVER NI
 HARPOON PLATING : TIN LEAD OVER NICKEL
 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 : ≤ 20mΩ
 INSULATION RESISTANCE : ≥ 10⁹ 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	48	8	6	13	7	6	5	000E1
ROWS FITTED WITH CONTACTS										
Rows a b c		3	48							
Rows a - c			4	32						
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR										8
METHOD OF MOUNTING										
REVERSE MOUNTING - STYLE R/2										6
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										5
000E1										TIN LEAD VERSION
E1LF										LEAD FREE VERSION

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	surface	tolerance	projection	product family
-	ISO 1302	ISO 406 ISO 1101		8609
lfr	ecn no.	dr	date	title
A	I04-0100	MINI	09/11/2004	DIN REVERSE RECEPTACLE
B	I05-0042	MINI	19/05/2005	ANGLED SPILL DIN 41612 STYLE-R/2
C	I06-0063	MINI	01/06/2006	
dr	MINI K VANDANATH	23/09/2004		dwg no
engr	RAKHEE GEORGE	23/09/2004		sheet 1 of 1
chr	RAKHEE GEORGE	01/06/2006		size
appd	RAKHEE GEORGE	01/06/2006		A3
sheet	revision	C		type
index	sheet	1		Product Customer Drawing

FCI FCIconnect.com Copyright FCI