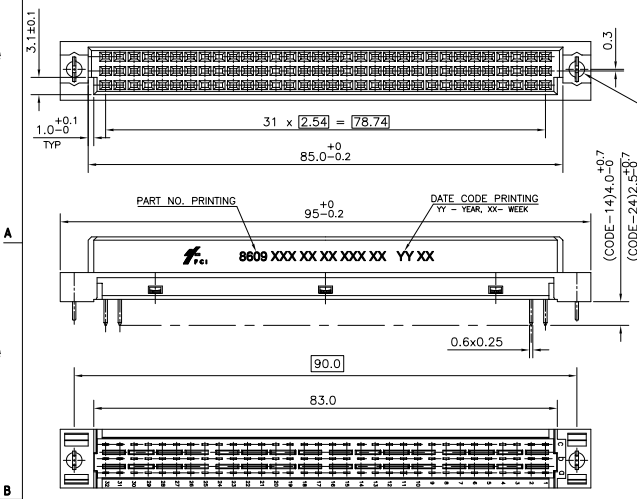
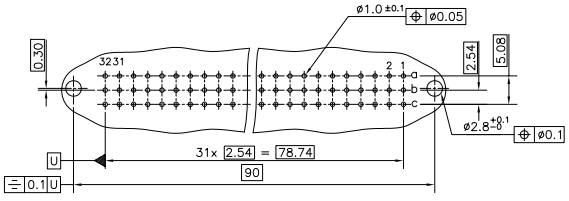
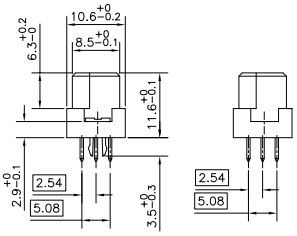




P.C.B DRILLING DETAILS



TECHNICAL SPECIFICATION

INSULATOR 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°.
CONTACT / HARPOON MATERIAL	: COPPER ALLOY
CONTACT PLATING	
ACTIVE ZONE	: GOLD OVER NICKEL
TERMINATION ZONE	
TIN LEAD VERSION	: TIN LEAD OVER NICKEL
LEAD FREE VERSION	: TIN (PURE MATTE) OVER NICKEL
HARPOON PLATING	
TIN LEAD VERSION	: TIN LEAD OVER NICKEL
LEAD FREE VERSION	: TIN (PURE MATTE) OVER NICKEL
ELECTRICAL DATA	
CURRENT RATING AT 20°C	: 1.5 A
CURRENT (1 MAX)	: 2 A
TEMPERATURE RANGE	: –55°C/+125°C
CONTACT RESISTANCE	: ≤ 20mΩ
INSULATION RESISTANCE	: ≥ 10^6 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	96	8	1	14	7	5	5	V1
ROWS FITTED WITH CONTACTS										
Rows a–b		2	64							
Rows a–b–c		3	96							
Rows a–c		4	64							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR				8						
METHOD OF MOUNTING										
STANDARD MOUNTING STYLE– C					1					
TERMINATION										
STRAIGHT SPILL (LONG)						14				
STRAIGHT SPILL (SHORT)						24				
OPTIONS										
NO OPTION							7			
WITH HARPOONS							H			
PERFORMANCE CLASS										
4 – DIN 41612 CLASS 3								4		
5 – DIN 41612 CLASS 2								5		
6 – DIN 41612 CLASS 1								6		
8 – AS PER MIL C 55302/JSS 50808								8		
PITCH PER ROW										
2.54								5		
V1										TIN LEAD VERSION
V1LF										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.

ltr	ecn no	dr	date
B	104–0100	MINI	09/11/2004
C	105–0042	MINI	19/05/2005
D	105–0086	MINI	02/06/2005
E	106–0063	MINI	01/06/2006

dr	MINI K VANDANATH	29/09/2004
engr	RAKHEE GEORGE	29/09/2004
chr	RAKHEE GEORGE	01/06/2006
appd	RAKHEE GEORGE	01/06/2006

sheet index	revision sheet	E 1

mat'l. code –
surface ISO 1302
tolerance ISO 406 ISO 1101
tolerances unless otherwise specified
angles 0°±1°
linear .0±.1
projection
mm
scale –

product family 8609
title DIN STANDARD RECEPTACLE
STRAIGHT SPILL DIN 41612 STYLE-C
dwg no C-8609-2028
sheet 1 of 1
size A3
type Product Customer Drawing

PDM: Rev:E STATUS:Released Printed: Sep 24, 2010

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