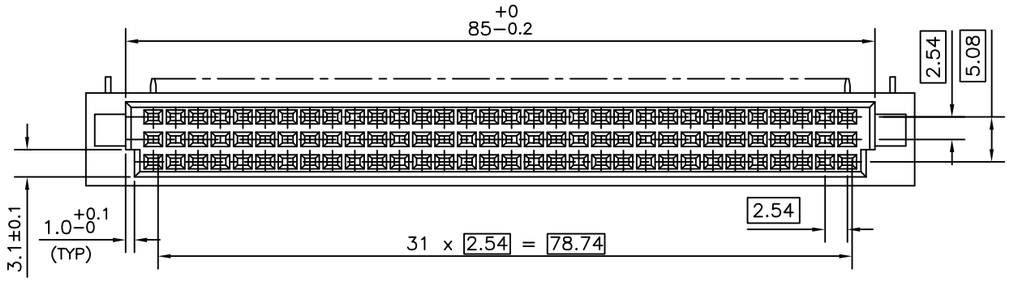
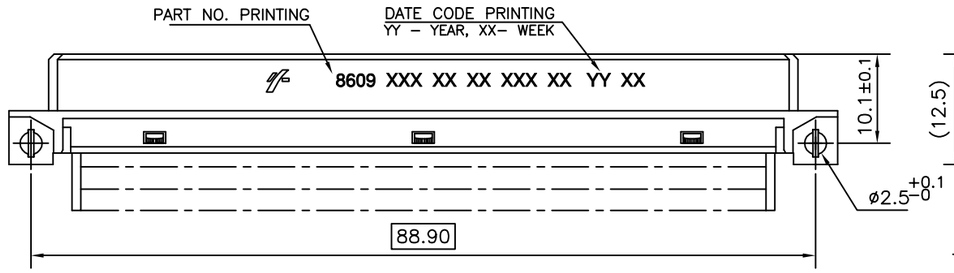
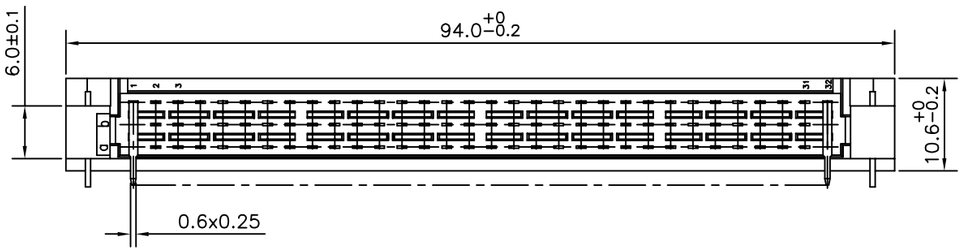
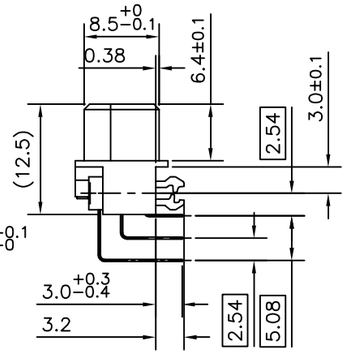
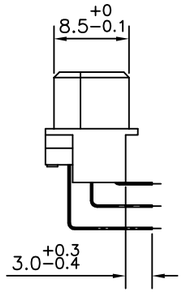




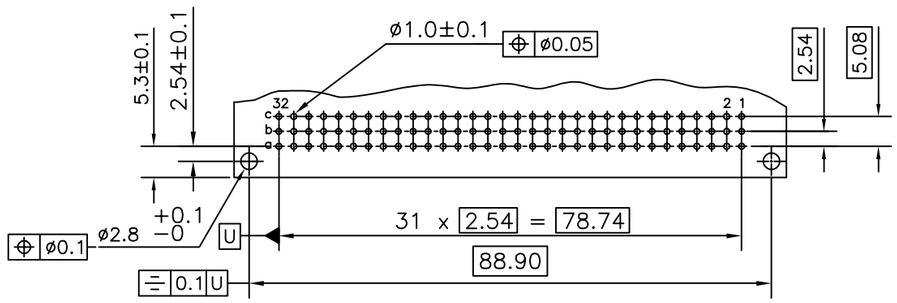




WITH HARPOONS



NO OPTION



PCB DRILLING DETAILS

TECHNICAL SPECIFICATION

HOUSING MATERIAL	: THERMOPLASTIC POLYESTER UL 94 V–0, 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/ 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 Ni
HARPOON PLATING	
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	: ≥ 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	8	13	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
- REVERSE MOUNTING – STYLE R — 8

TERMINATION
- ANGLED SPILL — 13

OPTIONS
- WTH HARPOONS — H
- NO OPTION — 7

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
A	I04–0100	MINI	09/11/2004
B	I05–0042	MINI	19/05/2005
C	I06–0063	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

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 REVERSE RECEPTACLE
ANGLED SPILL DIN 41612 STYLE-R
dwg no C-8609-2029
sheet 1 of 1
size A3
type Product Customer Drawing
sheet index | revision C | sheet 1

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form: A3

PDM: Rev:C STATUS: Released Printed: Oct 30, 2007