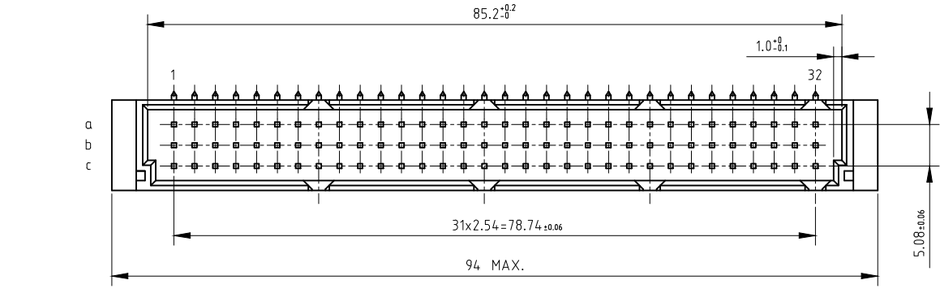
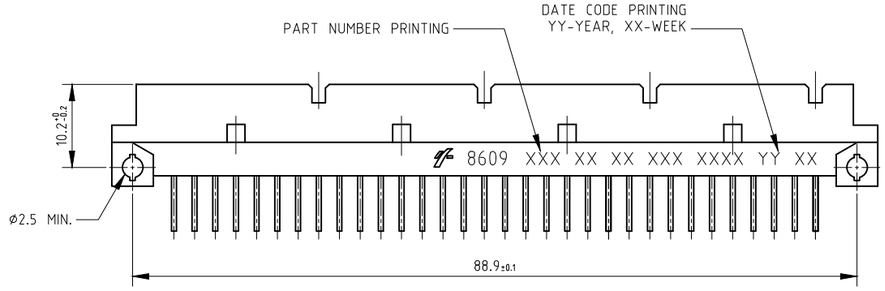
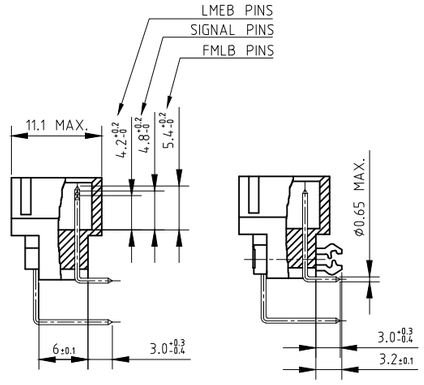
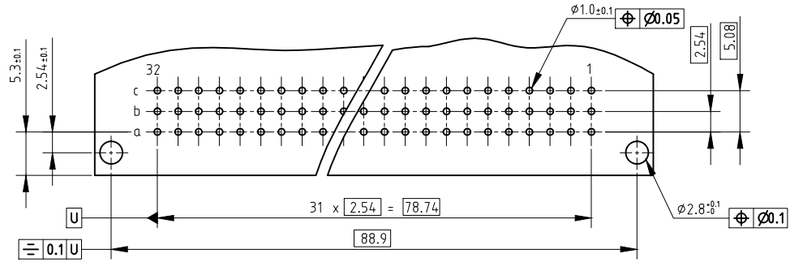
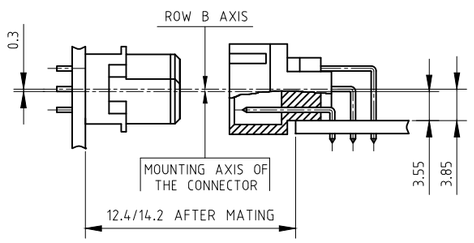






PCB DRILLING DETAILS





	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
B																																
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 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	:	$\geq 10^6$ 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	4	64	7	1	13	7	5	5	SNLF

ROWS FITTED WITH CONTACTS
ROW a - c ——— 4 — 64

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 CONTACT LOADING: LEAD FREE VERSION ——— SNLF

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
A	111-0151	MJA	2011-08-20

tolerances unless otherwise specified
angles 0°±1° | linear .0±.1 | mm | scale 3:2

dr	M JACOB	2011-08-20
engr	M JACOB	2011-08-20
chr	M JACOB	2011-08-20
appd	BIJU K PAUL	2011-08-20

title: DIN STANDARD HEADER
ANGLED SPILL DIN 41612 STYLE-C

dwg no C-8609-2158 | sheet 1 of 1 | size A3
type Product Customer Drawing

sheet index | revision A | sheet 1

form: A3

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