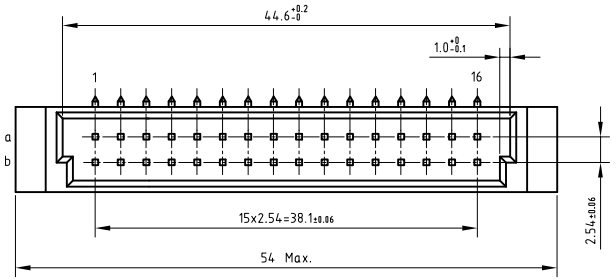

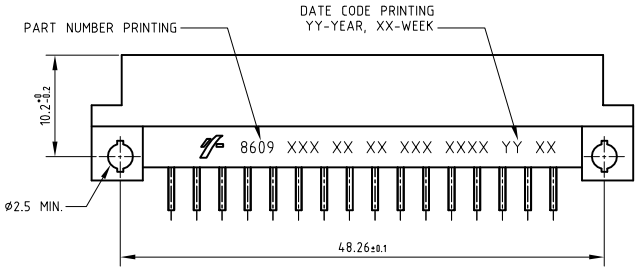

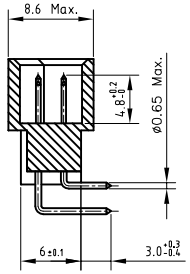

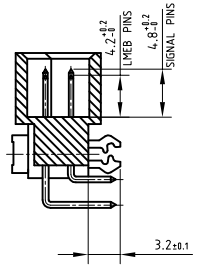

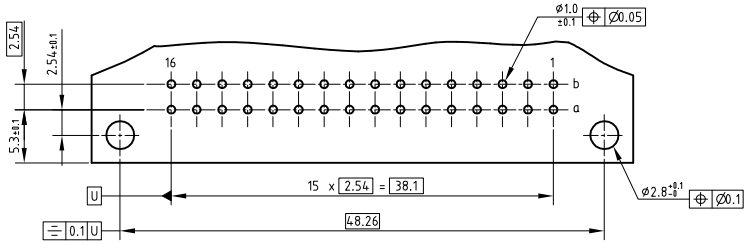

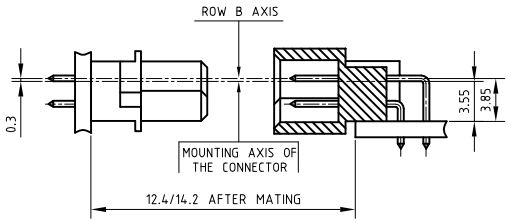

TECHNICAL SPECIFICATION

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 PLATING		
ACTIVE ZONE	:	Au OVER Ni
TERMINATION ZONE	:	Sn (PURE MATT) OVER Ni FOR LEAD FREE VERSION
HARPOON PLATING	:	Sn (PURE MATT) OVER Ni FOR LEAD FREE VERSION

ELECTRICAL DATA

CURRENT RATING AT 20°C	:	1.5A
CURRENT (I MAX)	:	2A
TEMPERATURE RANGE	:	-55°C TO +125°C
CONTACT RESISTANCE	:	≤ 20mΩ
INSULATION RESISTANCE	:	≥ 10^4 MΩ
TEST VOLTAGE (rms)	:	1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT	:	≤0.94N
EXTRACTION FORCE PER CONTACT	:	≥0.15N

REFERENCE SPECIFICATION : DIN 41612 / IEC 603-2

SERIES	8609	2	32	5	3	13	7	5	5	QFLF

ROWS FITTED WITH CONTACTS
ROW a b — 2 — 32
NO. OF CONTACTS

TYPE OF INSULATOR
2 ROW MALE INSULATOR — 5

METHOD OF MOUNTING
STANDARD MOUNTING - STYLE B/2 — 3

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 — QFLF
STANDARD CONTACTS LOADED IN POSITIONS a1, b1, a16 & b16
ALL REMAINING POSITIONS TO BE LOADED WITH LMEB CONTACTS

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	108-0059	JS	2009-07-10

dr	JOHN SLEEBA	2008-04-29
engr	KESAVAN R	2008-04-29
chr	KESAVAN.R	2008-04-29
appd	KESAVAN R	2008-04-29

mat'l. code	SEE TECH. SPEC.	
surface	ISO 1302	
tolerance	ISO 406 ISO 1101	
tolerances unless otherwise specified	angles 0°±1°	linear .0±.1
projection		
mm		
scale	2:1	
product family	8609	
title	DIN STANDARD HEADER ANGLED SPILL DIN 41612 STYLE-B/2	
dwg no	C-8609-2141	
sheet	1 of 1	
size	A3	
type	Product Customer Drawing	
sheet index	revision A / sheet 1	

FCIconnect.com
Copyright FCI

form: A3

PDM: Rev:A STATUS: Released Printed: May 14, 2011