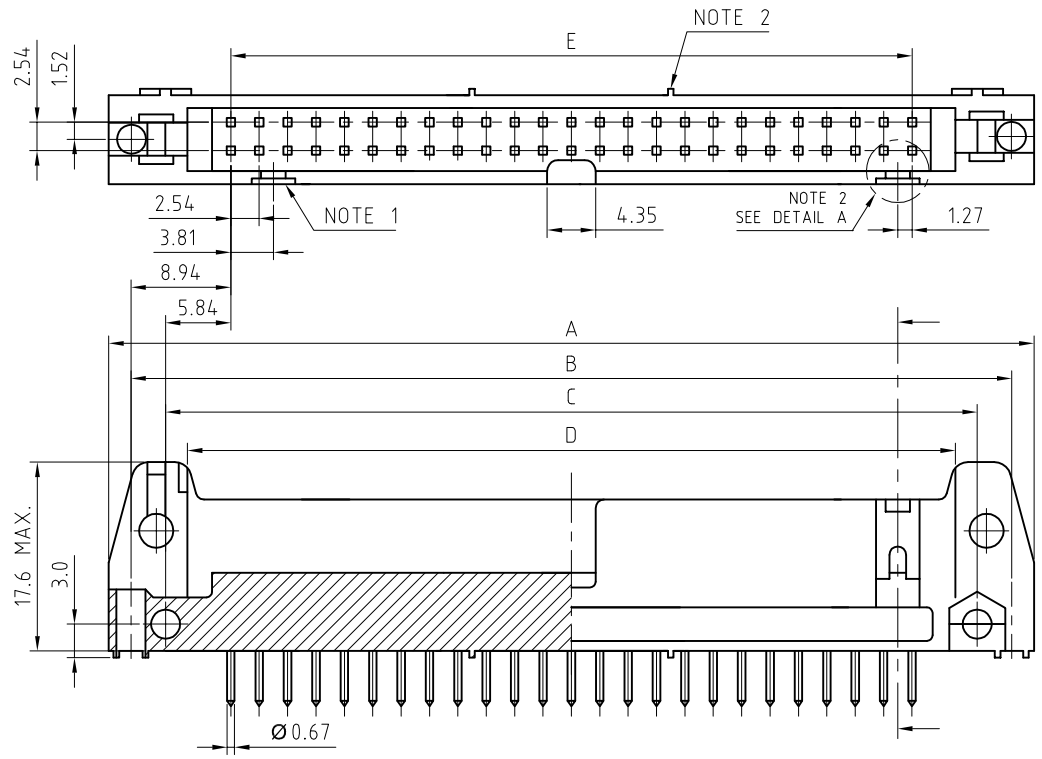
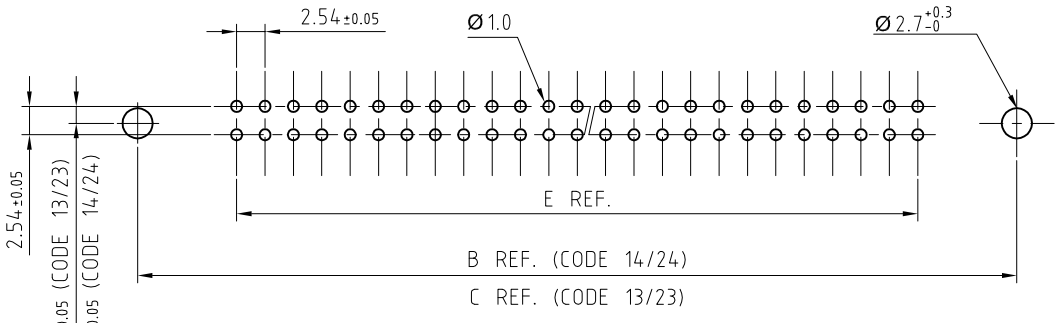
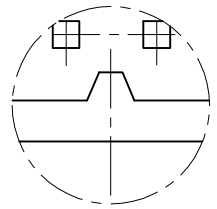
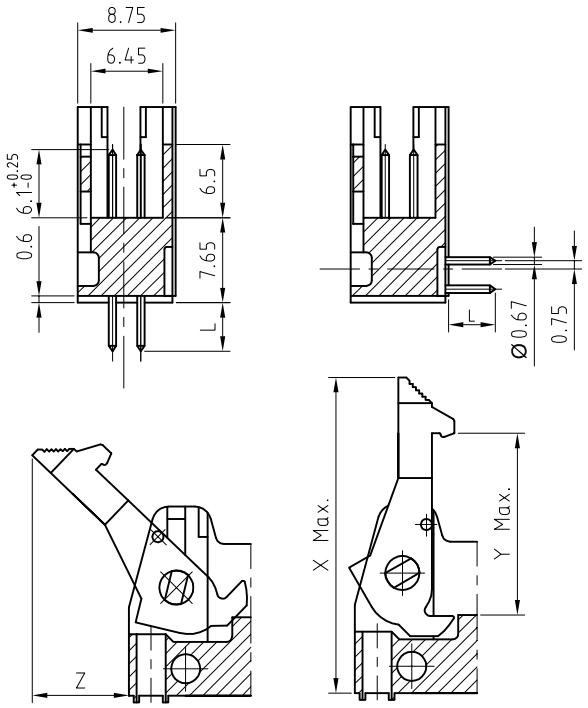




PCB DRILLING DETAILS



DETAIL A



DIMENSION	LOCKING LEVER	
	SHORT	LONG
X Max.	25.30	28.0
Y Max.	11.30	15.0
Z	9.0	10.5

POS.	DIMENSION				
	A +0.25 -0	B±0.1	C±0.1	D +0.13 -0	E±0.05
10	32.00	27.94	21.84	17.91	10.16
14	37.08	33.02	26.92	22.99	15.24
16	39.62	35.56	29.46	25.53	17.78
20	44.70	40.64	34.54	30.61	22.86
26	52.32	48.26	42.16	38.23	30.48
30	57.40	53.34	47.24	43.31	35.56
34	62.48	58.42	52.32	48.39	40.64
40	70.10	66.04	59.94	56.01	48.26
50	82.80	78.74	72.64	68.71	60.96
60	95.50	91.44	85.34	81.41	73.66
64	100.58	96.52	90.42	86.49	78.74

SERIES	8613	010	2	1	14	3	4	5	E1LF

No. OF CONTACTS
010,014,016,020,026,030,034,040,050,060,064

TYPE OF INSULATOR
- HEADER WITH CENTRAL POLARISATION FOR ALL POSITIONS — 2
- HEADER 10 POSITION WITH CENTRAL POLARISATION & INSIDE PROJECTION — 8

METHOD OF MOUNTING
- WITHOUT LEVERS — 0
- WITH LONG BLACK LEVERS — 1
- WITH SHORT BLACK LEVERS — 2
- WITH LONG GREY LEVERS — 3
- WITH SHORT GREY LEVERS — 4

TERMINATION STYLE
- STRAIGHT SPILL LONG (L = 4.35±0.35mm) — 14
- STRAIGHT SPILL SHORT (L = 2.9±0.2mm) — 24
- ANGLED SPILL LONG (L = 4.2±0.35mm) — 13
- ANGLED SPILL SHORT (L = 2.8±0.2mm) — 23

HOUSING MATERIAL
- PBT GREY — 3

PERFORMANCE CLASS
- DIN 41651 CLASS 3 — 4
- DIN 41651 CLASS 2 — 5
- DIN 41651 CLASS 1 — 6
- AS PER JSS 50810 — 8

LONGITUDINAL PITCH
- 2.54 mm — 5
- 5.08 mm — 8

SPECIAL CODE
- LEAD FREE VERSION — E1LF

TECHNICAL SPECIFICATION

HOUSING MATERIAL	:	THERMOPLASTIC POLYSTER UL94V0; GREY

HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C FOR STRAIGHT CONNECTORS AS IT IS USED IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C

FOR ANGLE CONNECTORS, PROTECTIVE ADHESIVE OR PROTECTIVE METALLIC DEVICE IS TO BE USED AS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C

CONTACT MATERIAL	:	COPPER ALLOY
CONTACT PLATING		
ACTIVE ZONE	:	Au OR EQUIVALENT Au OVER PALLADIUM NICKEL OVER Ni
TERMINATION ZONE	:	Sn (PURE MATTE) OVER Ni
CURRENT RATING	:	1.5A AT 20°C
INSULATION RESISTANCE	:	⩾5000MΩ AT 100V
CONTACT RESISTANCE	:	⩽20mΩ
DIELECTRIC WITHSTANDING VOLTAGE	:	1000Vrms
OPERATING TEMPERATURE	:	-55°C TO +125°C
REFERENCE SPECIFICATION	:	IEC 603-13 / DIN 41651

NOTES

1. LEFT POLARISATION IS NOT PROVIDED FOR 10 & 14 POSITIONS.
2. RIGHT POLARISATION IS NOT PROVIDED FOR 10 POSITION, INSTEAD PROJECTION AS SHOWN IN DETAIL-A WILL BE PROVIDED.
3. INTERMEDIATE LEGS ARE PROVIDED ONLY ABOVE 20 POSITION.
4. THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. 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.
6. LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920

ltr	ecn no	dr	date
B	106-0066	MINI	2006-06-01
C	107-0132	KR	2007-10-05
D	108-0094	KR	2008-7-28
E	108-0145	JS	2008-10-18
F	111-0193	GT	2011-12-20

dr	MINI K V	2001-12-18
engr	RAKHEE GEORGE	2001-12-18
chr	KESAVAN.R	2007-07-05
appd	KESAVAN R	2008-07-28

sheet index	revision	F
	sheet	1

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 3:2
product family: 8613
title: HEADERS
STRAIGHT & ANGLED SPILL, TMT VERSION
dwg no: C-8613-0041
sheet 1 of 1
size: A3
type: Product Customer Drawing

FCIconnect.com
PDM: Rev:F
STATUS:Released
Printed: Dec 31, 2011
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form: A3