



TECHNICAL SPECIFICATION

HOUSING MATERIAL	:	THERMOPLASTIC POLYESTER UL94V0; GREY / BLACK ON REQUEST
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
WORKING VOLTAGE	:	250Vrms
OPERATING TEMPERATURE	:	-55°C TO +125°C
REFERENCE SPECIFICATION	:	IEC 603-13 / DIN 41651

PCB DRILLING DETAILS

SERIES	8613	010	2	1	14	3	4	5	E1LF
No. OF CONTACTS	010,014,016,020,024,026,030,034,040,050,060,064								
TYPE OF INSULATOR	HEADER WITH CENTRAL POLARISATION FOR ALL POSITIONS 2 HEADER TO 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 PBT BLACK 2								
PERFORMANCE CLASS	DIN 41651 CLASS 3 4 DIN 41651 CLASS 2 5 DIN 41651 CLASS 1 6 AS PER JIS SHIBU 8								
LONGITUDINAL PITCH	2.54 mm 5 5.08 mm 8								
SPECIAL CODE	LEAD FREE VERSION E1LF								

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} _{-0.16}	B ^{+0.10} _{-0.18}	C±0.1	D ^{+0.13} _{-0.27}	E ^{+0.05} _{-0.27}
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
24	49.78	45.72	39.62	35.69	27.94
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

NOTES

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

mat'l. code SEE TECH. SPEC.	surface ISO 1302 ✓ ISO 406 ISO 1101	tolerance tolerances unless otherwise specified	projection mm	product family 8613
ltr B 106-0066 MINI 2006-06-01	angles	linear	scale 3:2	title HEADERS
C 107-0132 KR 2007-10-05				STRAIGHT & ANGLED SPILL, TMT VERSION
D 108-0094 KR 2008-7-28 0°±1°				dwg no C-8613-0041
E 108-0145 JS 2008-10-18 dr MINI K V 2001-12-18				sheet 1 of 1 size A3
F 111-0193 GT 2011-12-20 engr RAKHEE GEORGE 2001-12-18				type Product Customer Drawing
G 022-03-13 MJM 2013-03-08 chr MANOJM 2013-03-08				
G1.1 - GM 2016-03-10 appd BIAU K PAUL 2013-03-08				
sheet index	revision G1.1	sheet 1		

FCconnect.com
 Copyright FCJ