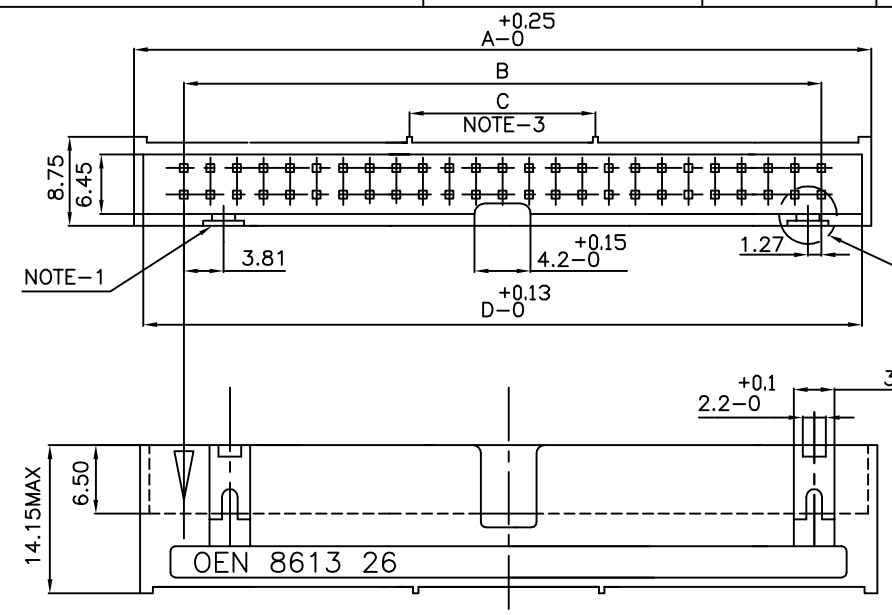
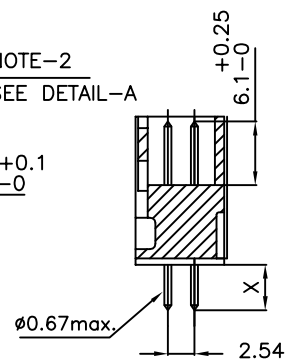
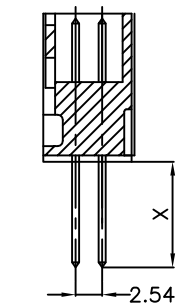




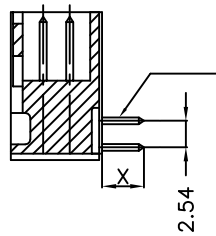
14:X=4.35±0.35
24:X=2.90±0.2

STRAIGHT SPILL[14&24]



15:X=15.5±0.35

WIRE WRAP[15]



13:X=4.20±0.35
23:X=2.80±0.2

ANGLED SPILL[13&23]

DETAIL–A

DIMENSIONS												
	D	17.91	22.99	25.53	30.61	38.23	43.31	48.39	56.01	68.71	81.41	86.49
	C	–	–	–	–	17.78	17.78	17.78	25.4	17.78	25.4	25.4
	B	10.16	15.24	17.78	22.86	30.48	35.56	40.64	48.26	60.96	73.66	78.74
	+0.25 A–0	19.71	24.79	27.33	32.41	40.03	45.11	50.19	57.81	70.51	83.21	88.29
	NO.OF POSITIONS	10	14	16	20	26	30	34	40	50	60	64

ORDERING INFORMATION

8613 [0] [ ] [ ] [1] [0] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

SERIES

NO.OF CONTACTS :–
10,14,16,20,26,30,34
40,50,60,64

BOX HEADER WTHOUT LEVER

TYPE OF TERMINATION
13 – LONG ANGLED SPILL
14 – LONG STRAIGHT SPILL
23 – SHORT ANGLED SPILL
24 – SHORT STRAIGHT SPILL
15 – WIRE WRAP

INSULATOR MATERIAL
3 – PBT GREY

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

LONGITUDINAL PITCH
5 – 2.54 mm

000E1– TIN LEAD VERSION
E1LF–LEADFREE VERSION

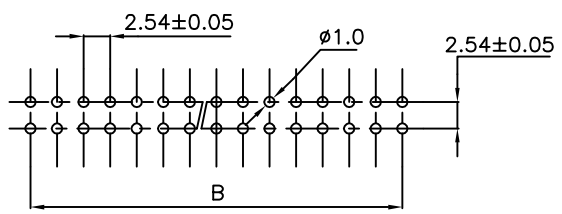
TECHNICAL SPECIFICATION

INSULATOR MATERIAL	—	THERMOPLASTIC POLYESTER UL 94V0; GREY
		HOUSING CAN WITHSTAND EXPOSURE TO LEADFREE 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 METALLIC DEVICE TO BE USED AS IN CLASSICAL LEAD WAVE SOLDERING AT 235–250°C.
CONTACT MATERIAL	—	COPPER ALLOY
PLATING	—	ACTIVE ZONE – GOLD OR EQUIVALENT GOLD OVER PALLADIUM NICKEL OVER NICKEL
	—	TERMINATION ZONE – SnPb OVER Ni FOR LEADED VERSION.
		– Sn (MATTE TIN) OVER Ni FOR LEAD FREE VERSION.
CURRENT RATING	—	1.5A AT 20°C
INSULATION RESISTANCE	—	⩾5000MΩ AT 100V
CONTACT RESISITANCE	—	⩽20mΩ
DIELECTRIC WITHSTANDING VOLTAGE	—	1000 Vrms
OPERATING TEMPERATURE	—	–55°C TO +125°C
REFERENCE SPECIFICATION	—	IEC 603–13 / DIN 41651

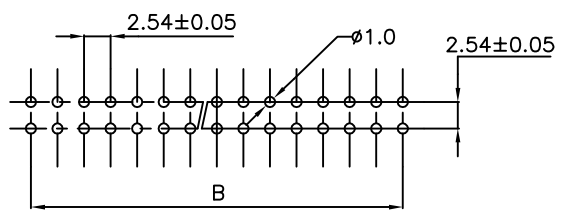
NOTES:

1. LEFT POLARISATION IS NOT PROVIDED FOR 10 & 14 POSITIONS.
2. RIGHT POLARISATION IS NOT PROVIDED FOR 10 POSITION.
   FOR 10 POSITION, INSTEAD OF RIGHT POLARISATION, PROJECTION AS GIVEN IN DETAIL–A WILL BE PROVIDED.
3. INTERMEDIATE LEGS ARE PRESENT ONLY ABOVE 20 POSITION.

PCB DRILLING DETAILS



STRAIGHT SPILL TERMINATION



ANGLED SPILL TERMINATION

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 RoHS COMPATIBLE VERSION.

mat'l. code				surface	tolerance	projection	product family
–				ISO 1302	ISO 406 ISO 1101		8613
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
A	–	MINI	06/12/1998	angles	linear .0±.1	mm	8613 BOX HEADER
B	I06–0066	MINI	01/06/2006				
C	I11–00193	GT	2011–12–20	0°±1°		scale –	
				dr	MINI.K.VANDANATH 06/12/1998		dwg no C-8613-0024 sheet 1 of 1 size A3
				engr	RAKHEE GEORGE 06/12/1998		
				chr	RAKHEE GEORGE 01/06/2006		
				appd	RAKHEE GEORGE 01/06/2006		type Product Customer Drawing
sheet index	revision sheet	C 1					

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