

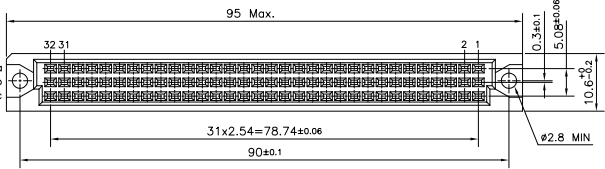
## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)  
[86093968115745E1LF](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



**TECHNICAL SPECIFICATION**

**HOUSING MATERIAL** : THERMOPLASTIC POLYESTER UL 94 V-0, GREY  
 HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°C

**CONTACT MATERIAL** : COPPER ALLOY

**CONTACT PLATING** : GOLD OVER NICKEL

**ACTIVE ZONE** : GOLD OVER NICKEL

**TERMINATION ZONE** : TIN LEAD OVER NICKEL

**TIN LEAD VERSION** : TIN (PURE MATTE) OVER NI

**LEAD FREE VERSION** : TIN (PURE MATTE) OVER NI

**ELECTRICAL DATA**

**CURRENT RATING AT 20°C** : 1.5 A

**CURRENT (I MAX)** : 2A

**TEMPERATURE RANGE** : -55°C / +125°C

**CONTACT RESISTANCE** : ≤ 20mΩ

**INSULATION RESISTANCE** : ≥ 10<sup>6</sup> MΩ

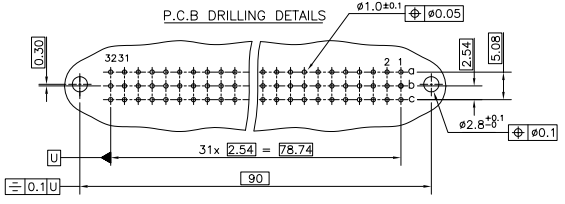
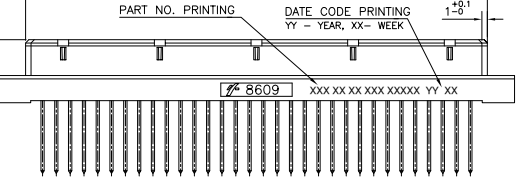
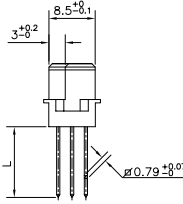
**TEST VOLTAGE (rms)** : 1000V

**MECHANICAL DATA**

**INSERTION FORCE PER CONTACT** : ≤ 0.94N

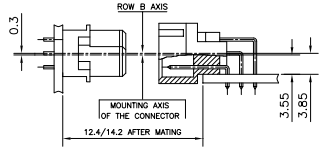
**EXTRACTION FORCE PER CONTACT** : ≥ 0.15N

**REFERENCE SPECIFICATIONS** : DIN 41612 / IEC 603-2



45	9.75 <sup>+0.5</sup>
35	7.06 <sup>+0.7</sup>
15	13.1 <sup>+0.2</sup>
TERM. STYLE	L

SERIES	8609	3	96	8	1	15	7	5	5	000E1
ROWS FITTED WITH CONTACTS	Rows a - b - c	3	96	8	1	15	7	5	5	000E1
ROWS a - c	Rows a - c	4	64	8	1	15	7	5	5	000E1
NUMBER OF CONTACTS	3 ROW FEMALE INSULATOR	8								
TYPE OF INSULATOR	METHOD OF MOUNTING	1								
STANDARD MOUNTING - STYLE c	TERMINATION									
WIRE WRAP (L = SEE TABLE)	WIRE WRAP (L = SEE TABLE)	45								
WIRE WRAP (L = SEE TABLE)	WIRE WRAP (L = SEE TABLE)	35								
WIRE WRAP (L = SEE TABLE)	WIRE WRAP (L = SEE TABLE)	15								
OPTIONS	NO OPTION	7								
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	5								
000E1	TIN LEAD VERSION									
ETLF	LEAD FREE VERSION									



**NOTES:**

- 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 FOR LEAD FREE VERSION.

mat'l. code	surface	tolerance	projection	product family
ltr	ISO 1302	ISO 406 ISO 1101	mm	8609
ecn no	tolerances unless otherwise specified			DIN STANDARD RECEPTACLE
dr	angles	linear	scale	WIRE WRAP DIN 41612 STYLE-C
date	0°±1'			dwg no
A	MINI	01/09/2004	dr	MINI K. VANDAMATH
B	MINI	19/05/2009	enrg	RAKHEE GEORGE
C	MINI	02/08/2009	chr	RAKHEE GEORGE
D	MINI	01/06/2008	appd	RAKHEE GEORGE
sheet index	revision sheet	D		type Product Customer Drawing
1	1			