

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
ALL		ENGINEERING RELEASE	01/04/08	

System description

The feature of backward compatibility allows a gradual upgrade of existing Eurocard based systems without the additional cost of a complete system redesign. It is not necessary to replace conventional 96 pin based boards as they remain pluggable into the 160 pin based systems.

Working voltage

The working voltage also depends according to the safety regulations of the equipment on the clearance and creepage dimensions of the pcb itself and the associated wiring

Test voltage Ur.m.s. 1 kV

Contact resistance

rows a, b, c ≤ 20 mΩ
row z, d ≤ 30 mΩ

Insulation resistance

≥ 10¹⁰ Ω acc. to IEC 60512-2

Temperature range

- 55 °C ... + 125 °C
acc. to IEC 60512-11

Electrical termination

Male connector Solder pins for pcb termination Ø 1.0 ± 0.1 mm according to IEC 60326-3
Female connector Crimp terminal 0.08 - 0.56 mm²
Solder pins for pcb termination Ø 1.0 ± 0.1 mm according to IEC 60326-3
Compliant press-in terminations

pcb thickness ≥ 1.6 mm

Insertion and withdrawal force

≤ 160 N

Materials

- Moulding
 - Liquid Cristal Polymer (LCP), for male connectors, straight female connectors, UL 94-V0
 - Thermoplastic resin glass-fibre filled, UL 94-V0

Contacts

Copper alloy

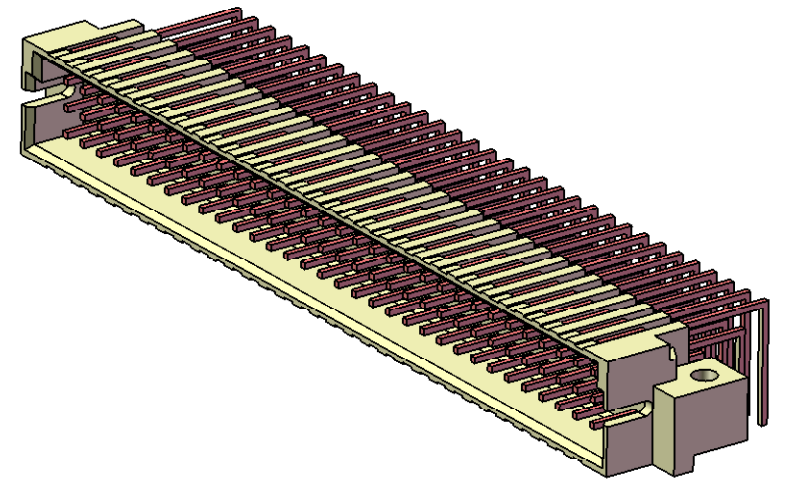
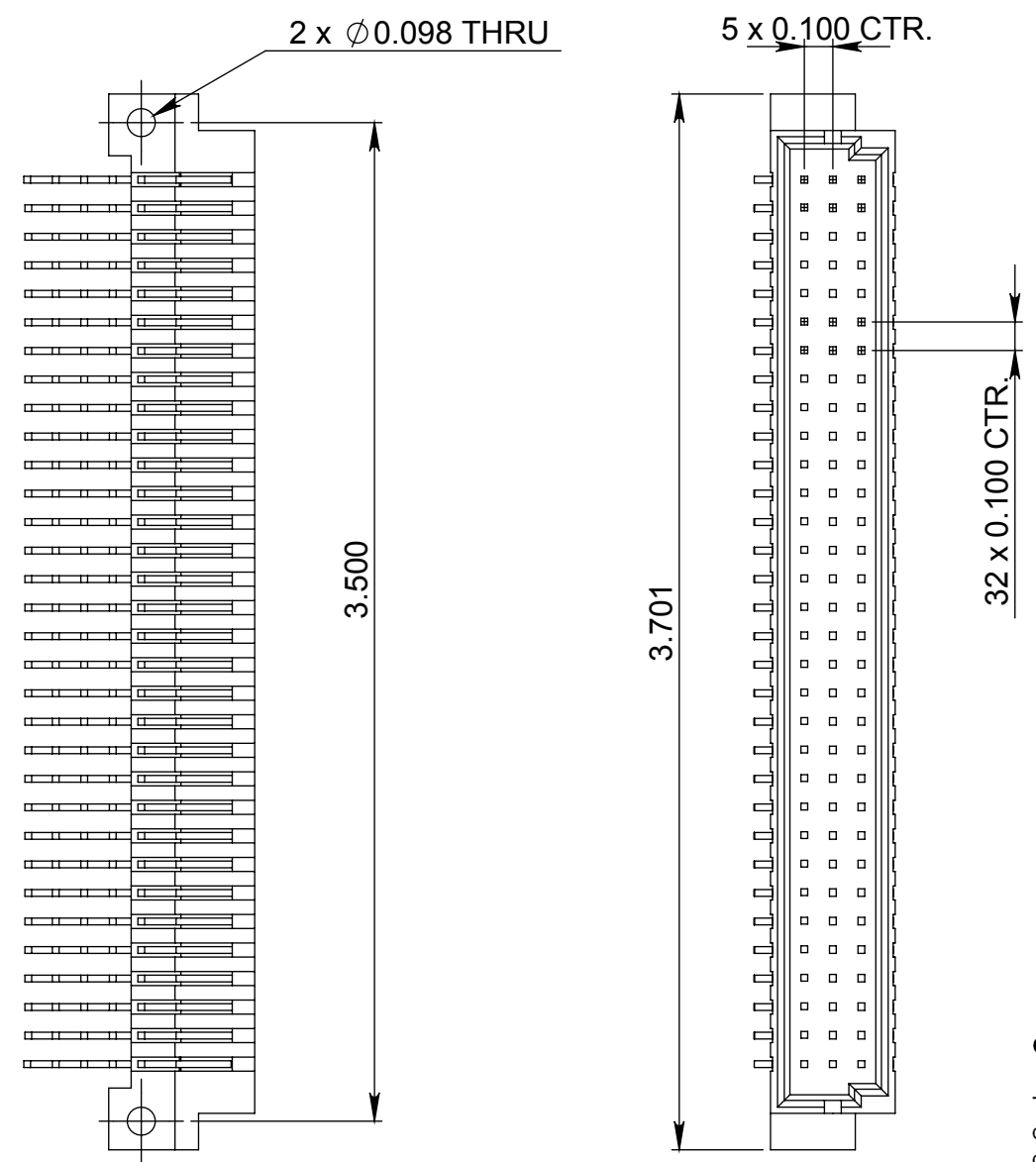
Contact surface

Contact resistance

Switching elements ≤ 60 m?

Insertion and withdrawal force

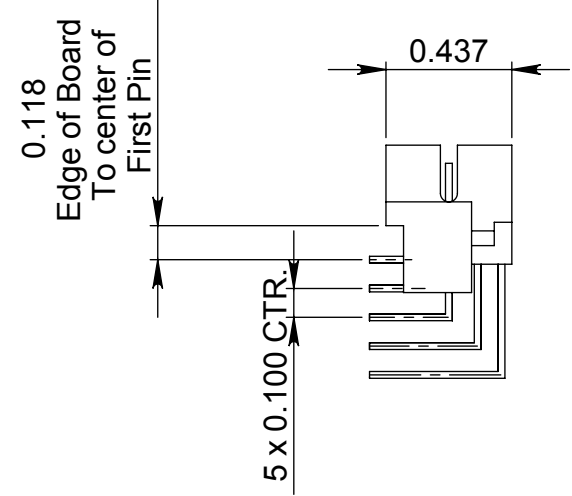
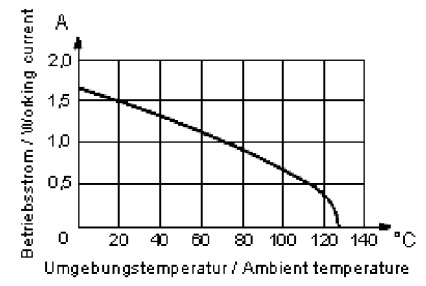
Complete connector ≤ 180 N



Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60 512



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 11115 VANOWEN ST., NORTH HOLLYWOOD, CA 91605	
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: ±.5° TWO PLACE DECIMAL ±.03 THREE PLACE DECIMAL ±.010		DRAWN	TRUSHAR		01/04/08
INTERPRET DRAWINGS PER: THIRD ANGLE PROJECTION		CHECKED			
MATERIAL		ENG APPR.			
FINISH		MFG APPR.			
NEXT ASSY		USED ON			
APPLICATION		DO NOT SCALE DRAWING			
RE160MSR			SIZE	DWG. NO.	
RE160MSR			D	RE160MSR	
SCALE: 1:3			WEIGHT:	SHEET 1 OF 2	