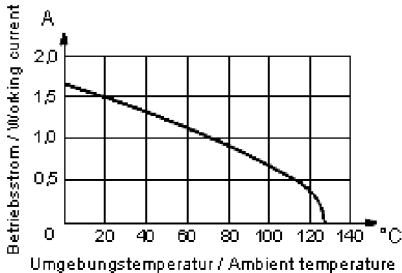


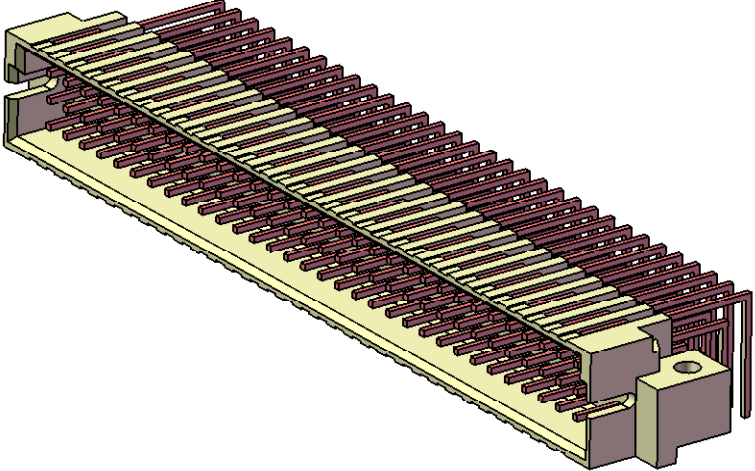
Current carrying capacity

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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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 $\leq 20 \text{ m}\Omega$

row z, d $\leq 30 \text{ m}\Omega$

Insulation resistance

$\geq 10^{10} \Omega$ acc. to IEC 60512-2

Temperature range

$-55 \text{ }^{\circ}\text{C} \dots +125 \text{ }^{\circ}\text{C}$

acc. to IEC 60512-11

Electrical termination

Male connector

Solder pins for pcb termination $\varnothing 1.0 \pm 0.1 \text{ mm}$ according to IEC 60326-3

Female connector

Crimp terminal 0.08 - 0.56 mm²

Solder pins for pcb termination $\varnothing 1.0 \pm 0.1 \text{ mm}$

according to IEC 60326-3

Compliant press-in terminations

pcb thickness

$\geq 1.6 \text{ mm}$

Insertion and withdrawal force

$\leq 160 \text{ N}$

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 $\leq 60 \text{ m?}$

Insertion and withdrawal force

Complete connector $\leq 180 \text{ N}$

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	VECTOR 11115 VANOWEN ST., NORTH HOLLYWOOD, ELECTRONICS & TECHNOLOGY, INC CA 91605	
		DIMENSIONS ARE IN INCHES	DRAWN	TRUSHAR	01/04/08	RE160MSR	
		TOLERANCES:	CHECKED				
		FRACTIONAL ±	ENG APPR.				
		ANGULAR: ±.5°	MFG APPR.				
		TWO PLACE DECIMAL ±.03	Q.A.				
		THREE PLACE DECIMAL ±.010	THIRD ANGLE PROJECTION				
		INTERPRET DRAWINGS PER: THIRD ANGLE PROJECTION					
		MATERIAL	2				
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:3 WEIGHT: SHEET 1 OF 2				