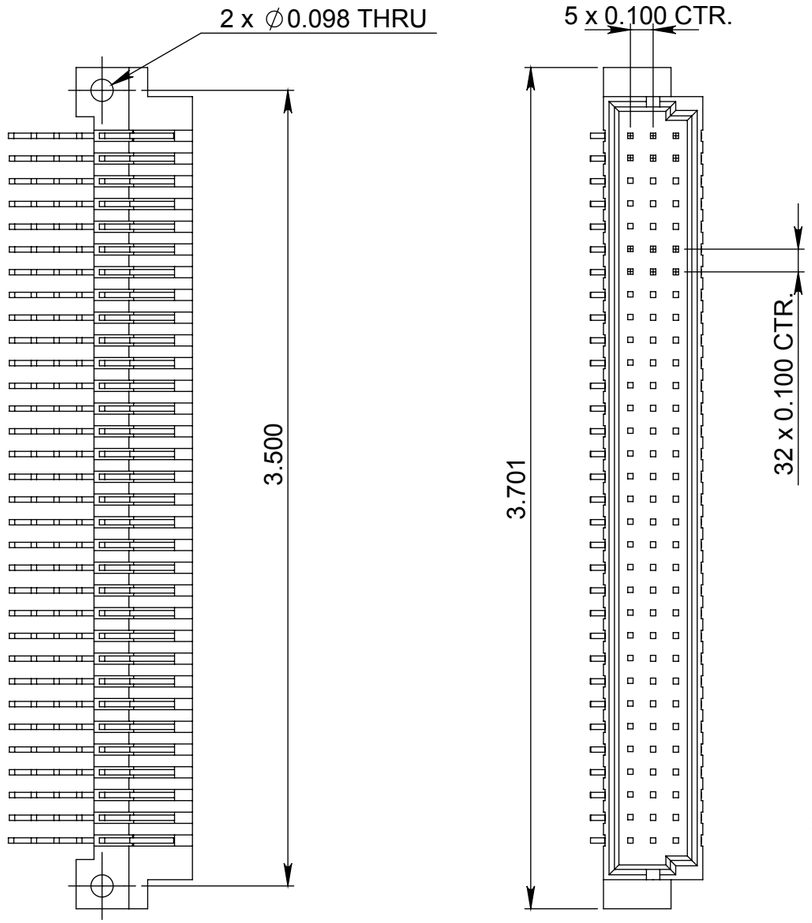
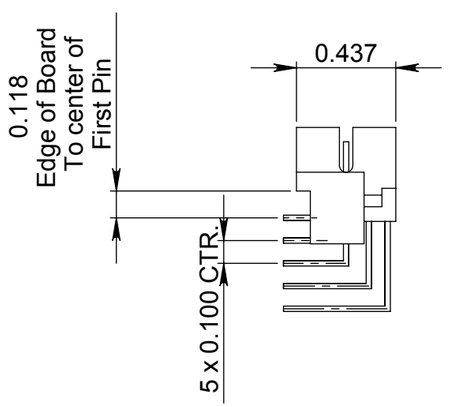
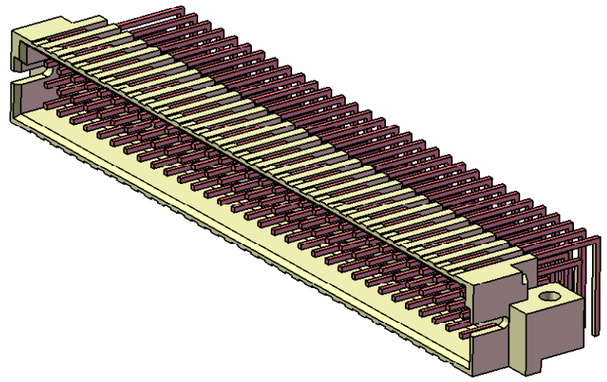
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
ALL		ENGINEERING RELEASE	01/04/08	







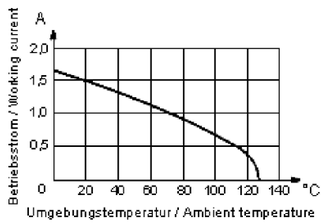
System description

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.

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



Working voltage	
The working voltage also depends on the clearance and creepage dimensions of the pcb itself and the associated wiring	according to the safety regulations of the equipment
Test voltage Ur.m.s.	1 kV
Contact resistance	
rows a, b, c	≤ 20 mΩ
row z, d	≤ 30 mΩ
Insulation resistance	≥10^{10} 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	

NEXT ASSY	USED ON	
APPLICATION		

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: ±.5°
TWO PLACE DECIMAL ±.03
THREE PLACE DECIMAL ±.010

INTERPRET DRAWINGS PER: THIRD ANGLE PROJECTION

MATERIAL 2

FINISH 3

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	TRUSHAR	01/04/08
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

THIRD ANGLE PROJECTION

VECTOR ELECTRONICS & TECHNOLOGY, INC
11115 VANOWEN ST., NORTH HOLLYWOOD, CA 91605

RE160MSR

SIZE	DWG. NO.	REV
D	RE160MSR	

SCALE: 1:3 | WEIGHT: | SHEET 1 OF 2

Mouser Electronics

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Vector:
RE160MSR