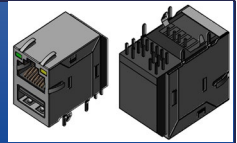


Gigabit RJ45 with 1 x USB Combo, w/ LEDs, Extended Temp



ARJ-196

Request Samples



Check Inventory



17.09 x 20.89 x 29 mm

RoHS/RoHS II Compliant

MSL Level = 1

Features

- Compliant with IEEE802.3ab standard
- Tab up RJ45 Jack + 1USB Combo
- High performance for maximum EMI suppression
- 350μH minimum OCL with 8mA bias current

Applications

- Support 10/100/1000 Base-T AutoMDIX application with Bi-Color LEDs
- Extended Temperature (-40°C~85°C)
- Network Interface Cards (NIC), LAN-on-Motherboard (LOM) and PC
- Suitable CAT 3, 5e & 6 cable and UTP
- Provides signal conditioning, EMI suppression and signal isolation

Electrical Specifications

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio (±5%)	1CT:1CT				
Inductance	350			uH	100kHz, 0.1V@8mA
Insertion Loss			-1.2	dB	1-100MHz
Return Loss	-16			dB	1-30MHz
	-12				30-60MHz
	-10				60-80MHz
	-8				80-100MHz
Crosstalk	-30.0			dB	1-100MHz
CM-DMRR	-30.0			dB	1-100MHz
Hipot	1500 Vrms min				Pri to Sec
Operating Temperature	-40		85	°C	

Operating Temperature: -40°C to +85°C

Storage Temperature: -40°C to +85°C

ARJ-196 is RoHS/RoHS II

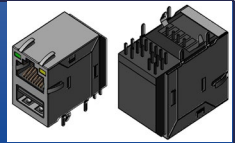


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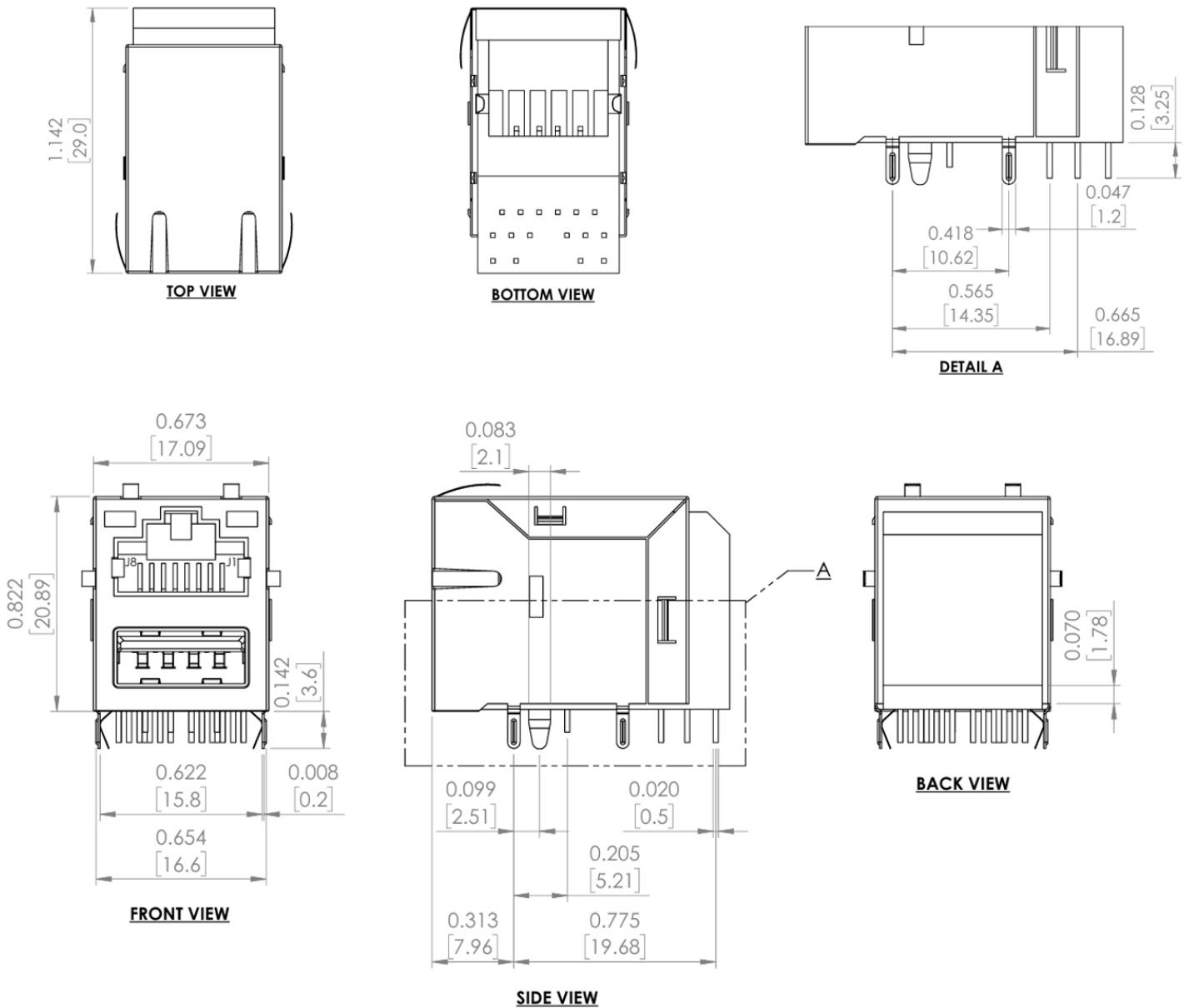


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RoHS/RoHS II Compliant

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Mechanical Specifications



Dimensions: INCHES [mm]

X.X	±0.30
X.XX	±0.25
X.XXX	±0.15
ANGLES	±1°

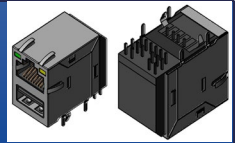


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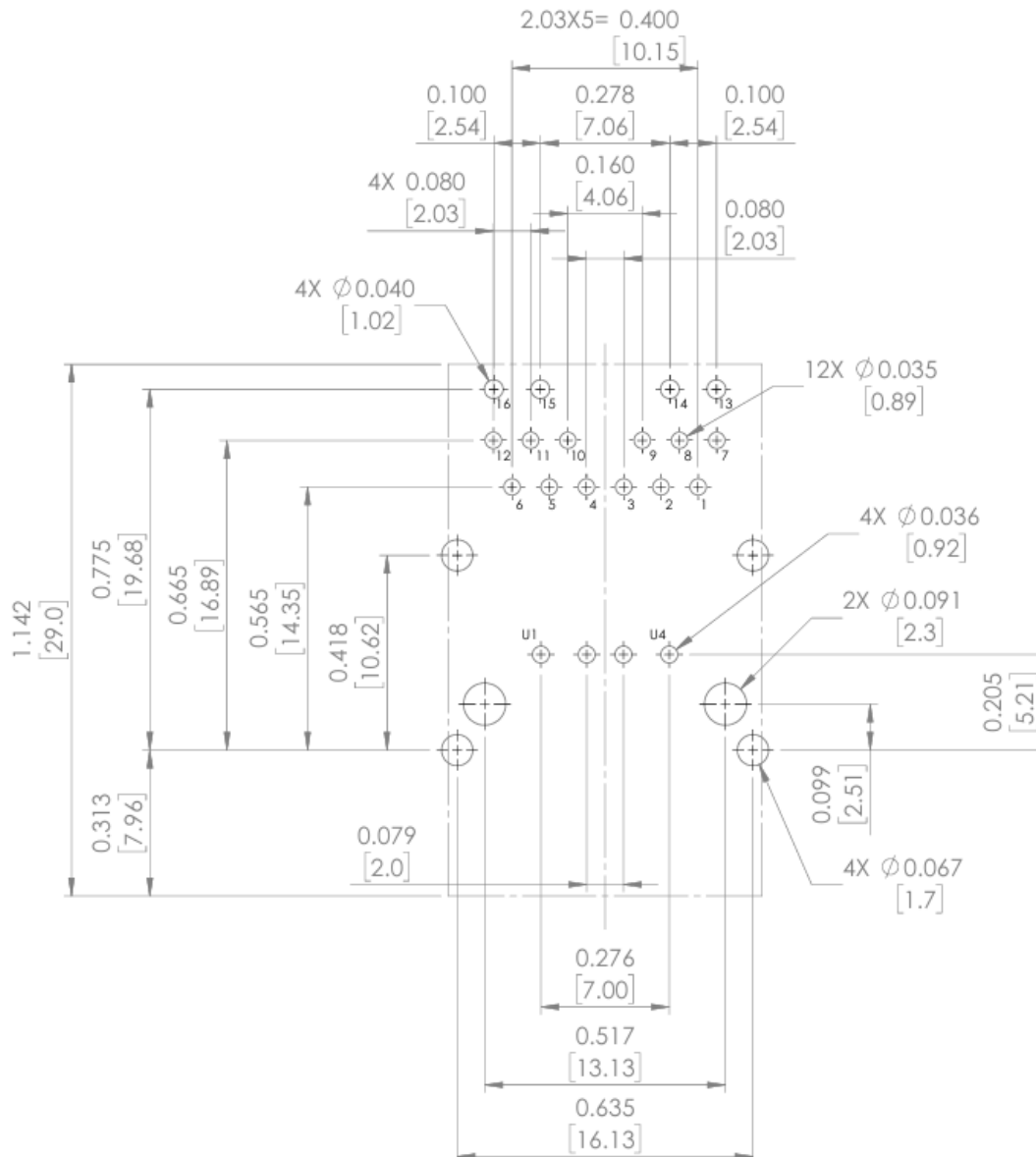


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RECOMMENDED LAND PATTERN



DIMENSIONS: INCHES [mm]

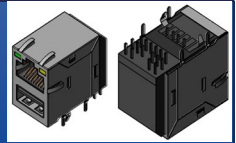


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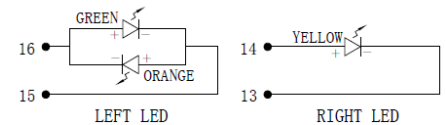
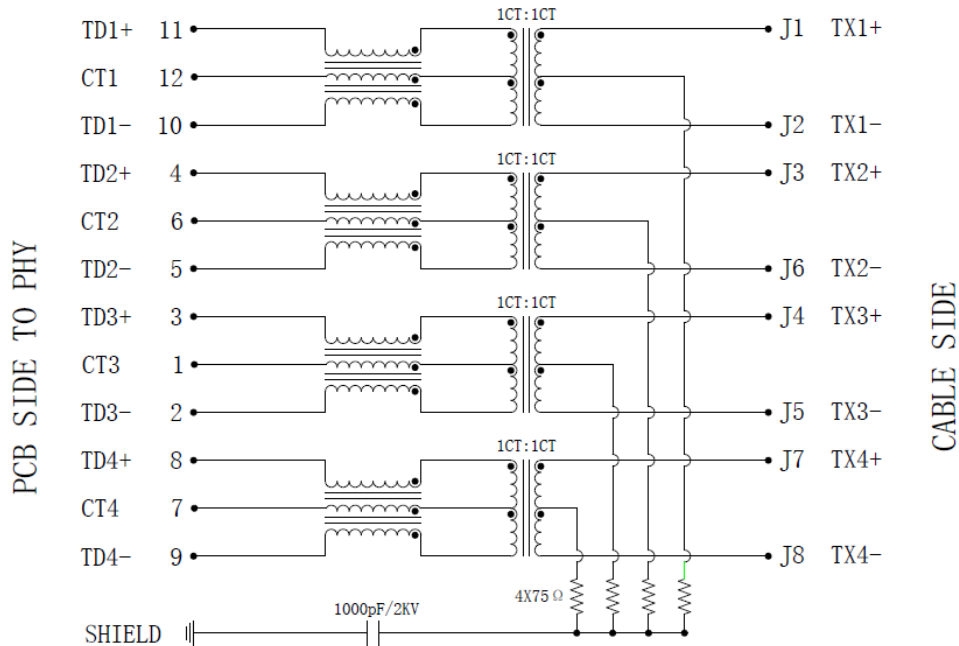


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MSL Level = 1

Schematic



EMITTING COLOR	λ_p (nm)	VF @IF=20mA	IR @VR=5V
Orange/GREEN	610/565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

Material

- Shield:**
SUS 304-1/2H, Thickness 0.2mm
- Housing:**
PBT (30% GLASS FIBER, UL94V-0)
- Pins:**
Brass C2680R-H Thickness=0.35mm
- Contact:**
PHOSPHOR BRONZE
- Gold Plating:**
6 micro inches
- USB Contact Plating:** Gold Flash

Note: Abracon LLC will not alter any material composition, without prior written notification.

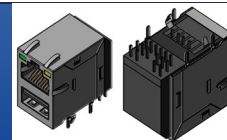


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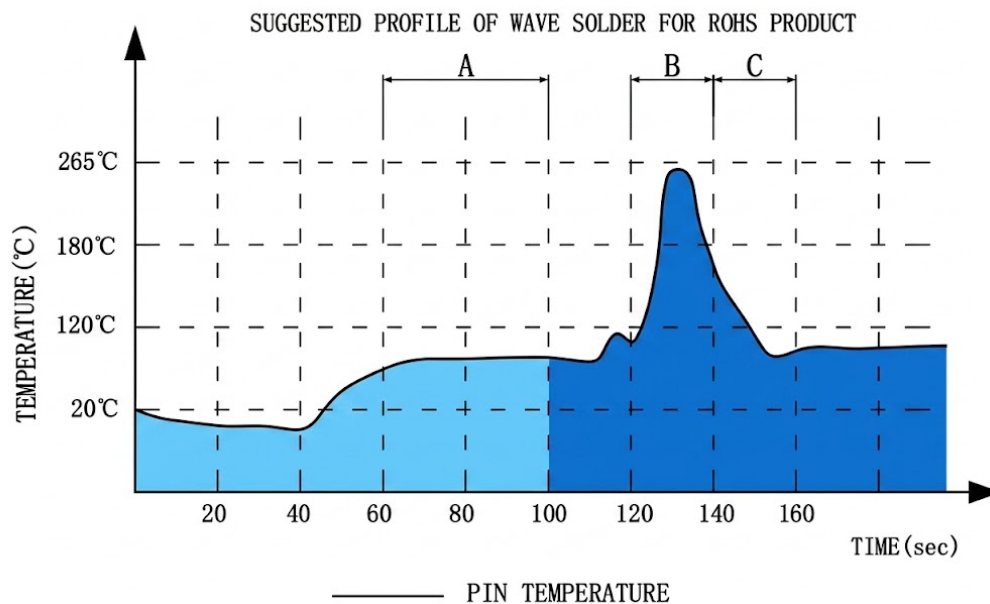


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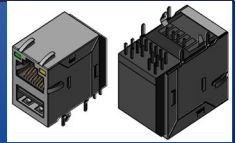
MSL Level = 1

Wave Soldering Profile



Zone	Description	Temperature	Times
A	Preheat	$T_{SMIN} \sim T_{SMAX}$ 25°C ~ 120°C	100 sec. MAX
B	Wave Peak Temperature	T_P 250°C	5 sec.
C	Cooling Rate	$T_{COOLING}$	-5°C/Sec

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Packaging

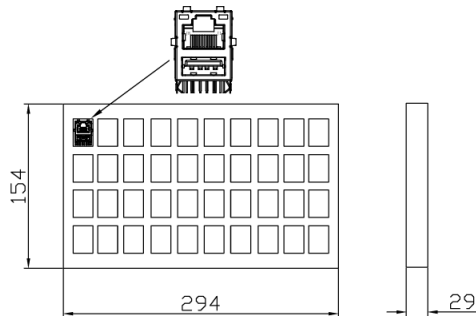
PACKAGING UNIT: 40PCS/TRAY

PACKAGING MATERIAL: PVC

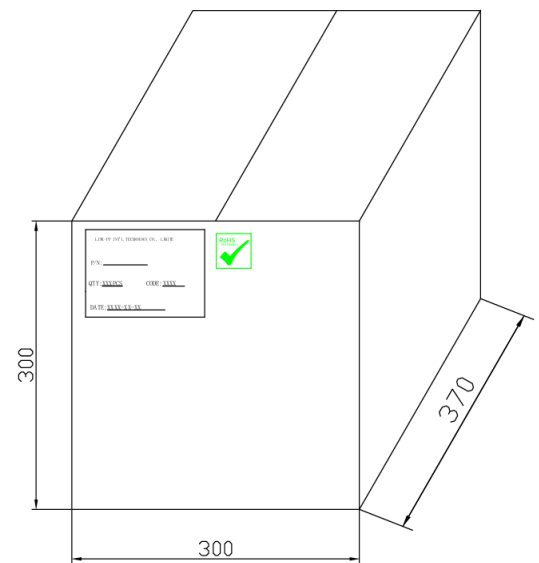
OUTER CARTON UNIT: 640PCS/16TRAY/CARTON

CARTON SIZE: 370mm x 300mm x 300mm

GROSS WEIGHT: 9 KG



16Tray



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