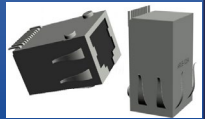


RJ45, Single Port, Tab Up, SMD, 10G Base-T



ARJE-1034

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Check Inventory



16.10 x 13.87 x 25.68mm

ROHS/ROHS II COMPLIANT

MSL Level = N/A

Features

- High speed 10GBase-T
- 10/100/1000Base-T compatibility
- Surface mount device
- Wide -40°C to 85°C operating temperature range
- Integrated magnetics
- Integrated shielding and metal fingers for excellent EMI performance

Applications

- Networking equipment
- Industrial IoT/IoT
- Video IP cameras
- Machine-to-machine (M2M)
- Industrial process control
- Servers and cloud computing
- High performance computing (HPC)
- Network interface cards (NIC)
- Media converters

Electrical Specifications

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio ($\pm 3\%$)	1CT:1CT				
Inductance	100			μH	100kHz, 0.1Vrms
Insertion Loss			-3.0	dB	100KHz
			-2.0		1-400MHz
Return Loss	-18.0			dB	1-40MHz
	19-10Log(F/40) *				40-500MHz
Crosstalk	-30.0			dB	1-100MHz
	-20.0				100-500MHz
CM-DMRR	-30.0			dB	1-250MHz
	-20.0				250-500MHz
Hipot	1500 Vrms min				Pri to Sec
Operating Temperature	-40		85	°C	See options

*F represents the test frequency specified in MHz

Operating Temperature: -40°C to +85°C

Storage Temperature: -40°C to +85°C

Moisture Sensitivity Level (MSL): 1 (MSL=1)

ARJE-1034 is RoHS/RoHS II

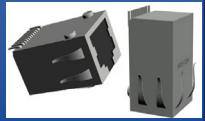


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Bee Cave, TX 78738
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ARJE-1034

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ROHS/ROHS II COMPLIANT
MSL Level = N/A

Options and Part Identification

ARJE - 1034 -

Operating Temperature

Blank: -40°C ~ +85°C

A: 0°C ~ +70°C

Material

Housing Material:

MATERIAL: Nylon PA66, UL94V-0
STANDARD COLOR: BLACK

Insert Material:

Material: Phos-Bronze C5191
Plating (1): Nickel
Plating (2): Gold 6u"

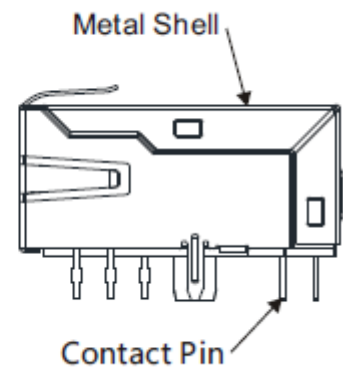
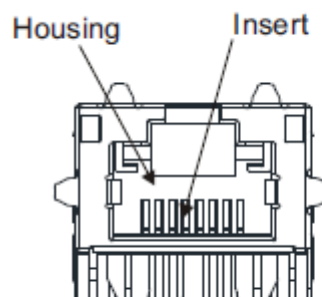
Insert: PBT, UL94V-0
Color: Black

Metal Shell Material:

Material: Brass C2680
Plating (1): Nickel

Contact Pin Material:

Material: Phos-Bronze C5191
Plating (1): Nickel
Plating (2): 100%Sn



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

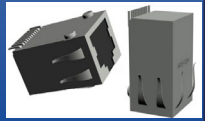


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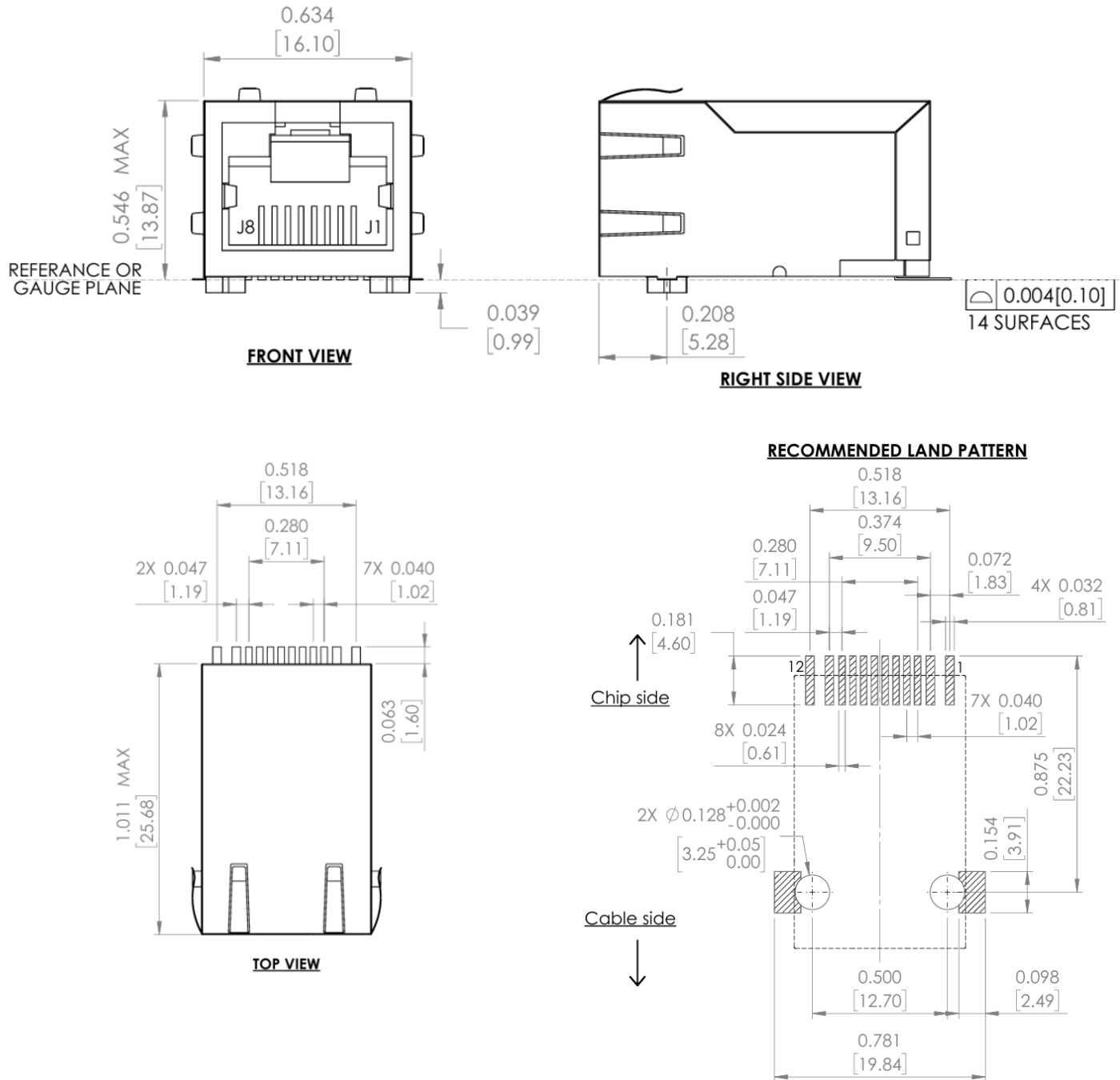
Check Inventory

16.10 x 13.87 x 25.68mm

ROHS/ROHS II COMPLIANT

MSL Level = N/A

Mechanical Specifications



Dimensions: INCHES [mm] (Unless otherwise specified, tolerances are ± 0.25 mm)



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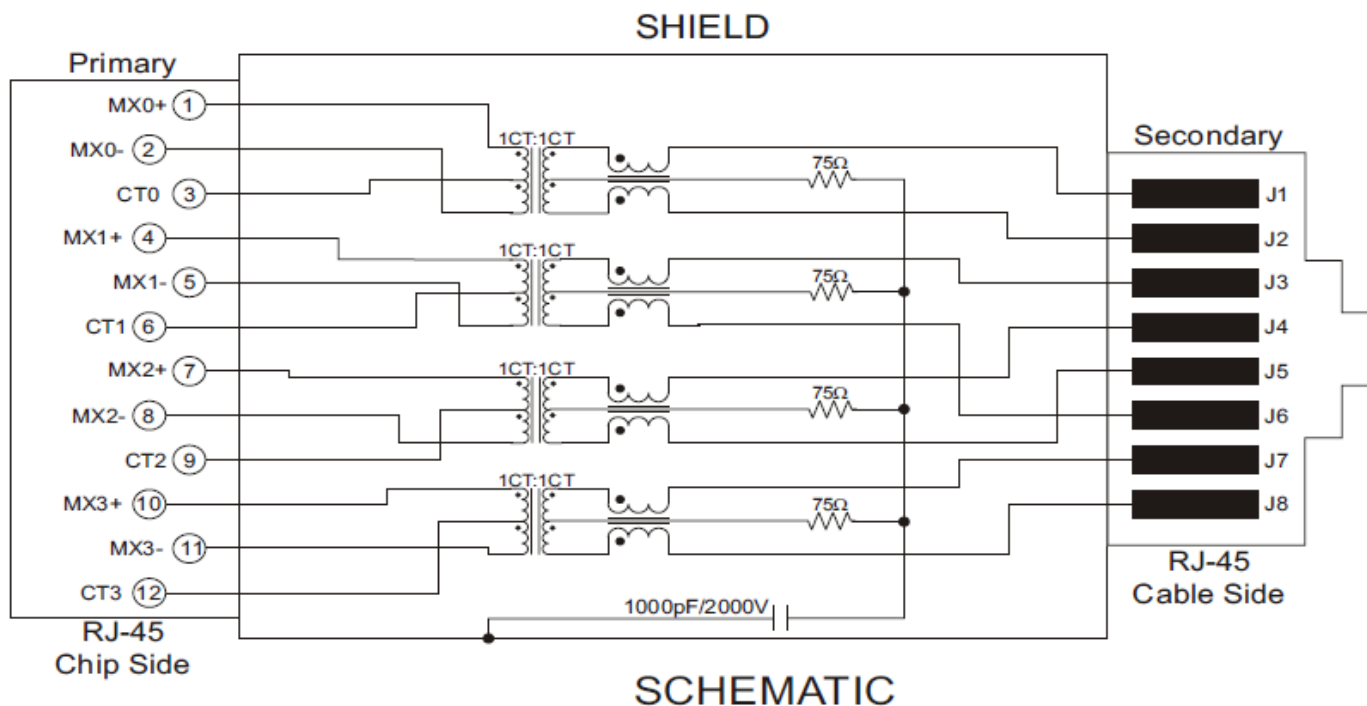


16.10 x 13.87 x 25.68mm

ROHS/ROHS II COMPLIANT

MSL Level = N/A

Schematics



RJ45, Single Port, Tab Up, SMD, 10G Base-T



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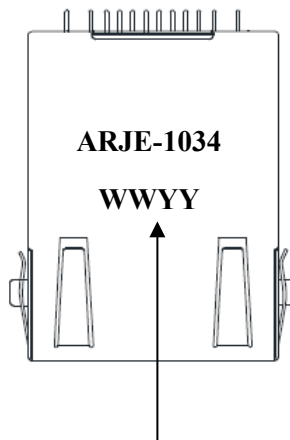
Check Inventory 

16.10 x 13.87 x 25.68mm

ROHS/ROHS II COMPLIANT

MSL Level = N/A

Marking

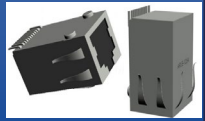


YY: Year: E.g. 16 for 2016

WW: Week: E.g. 05 for the
5th week of the year.

Marking Method = Ink Marking

RJ45, Single Port, Tab Up, SMD, 10G Base-T



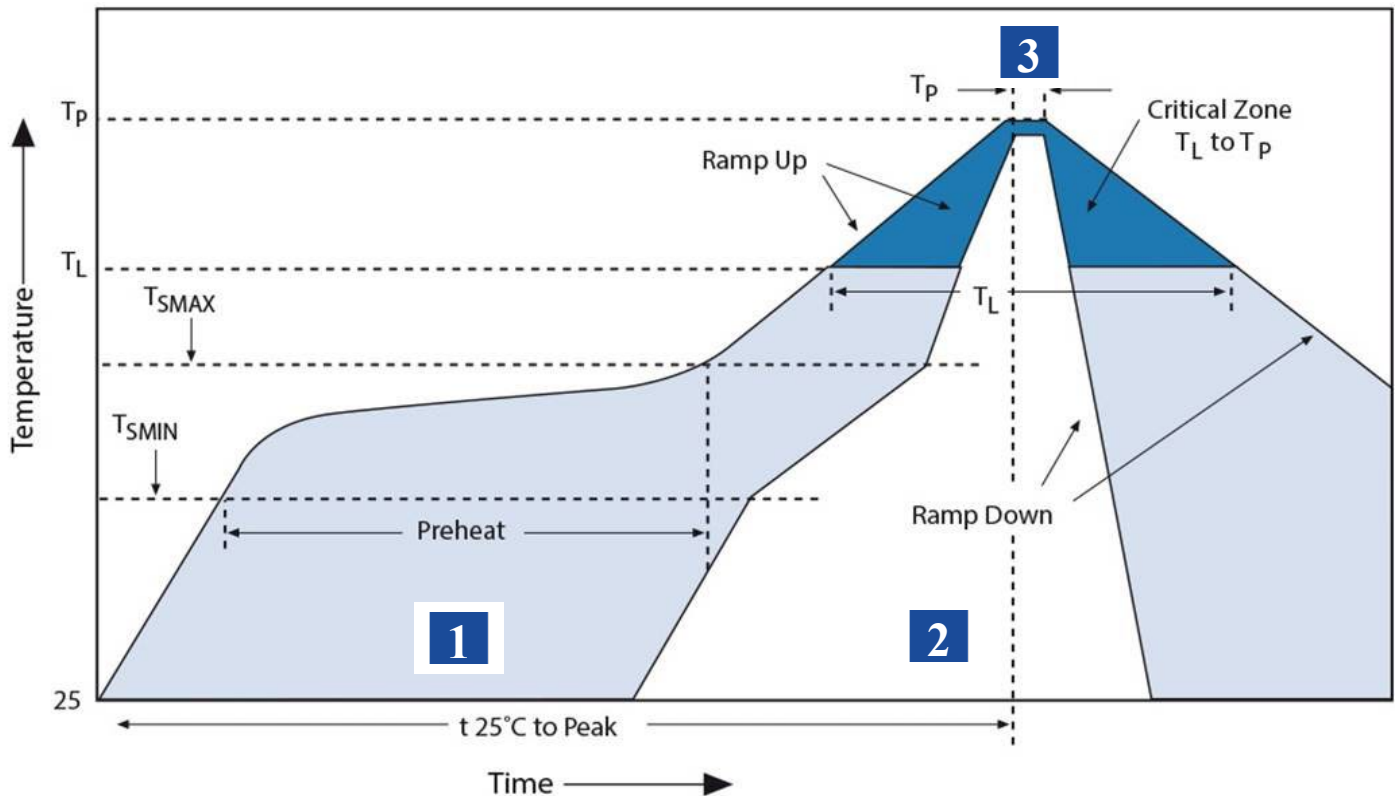
ARJE-1034

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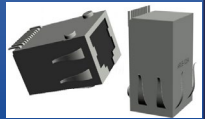
16.10 x 13.87 x 25.68mm
ROHS/ROHS II COMPLIANT
MSL Level = N/A

Reflow Profile



Zone	Description	Temperature	Times
1	Preheat	$T_{SMIN} \sim T_{SMAX}$ 150°C ~ 200°C	60 ~ 180 sec.
2	Reflow	T_L 217°C	60 ~ 150 sec.
3	Peak heat	T_p 245°C	20 ~ 40 sec.

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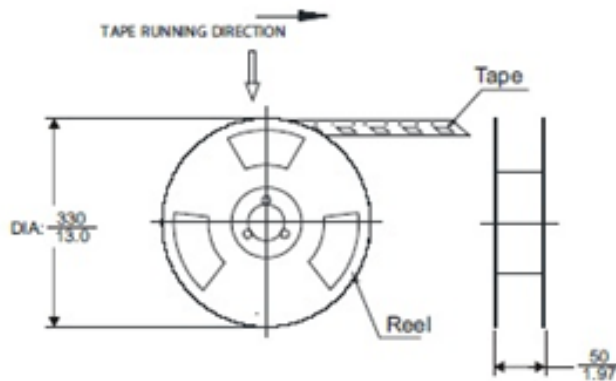
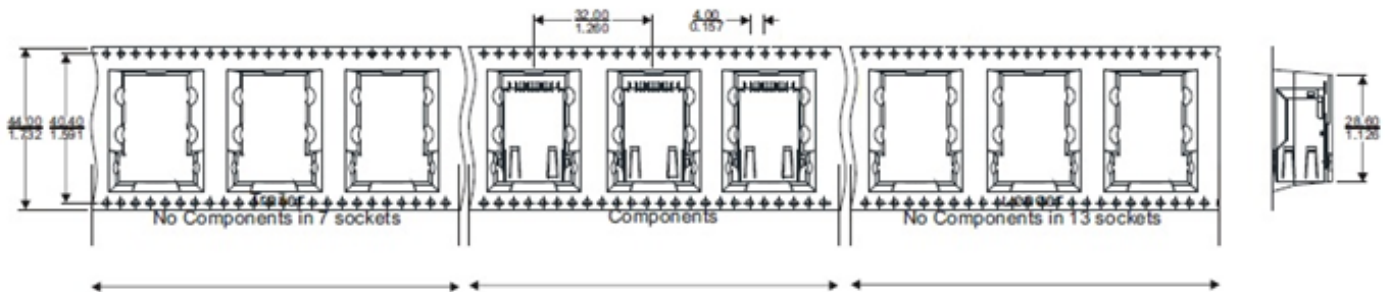
16.10 x 13.87 x 25.68mm

ROHS/ROHS II COMPLIANT

MSL Level = N/A

Packaging

110 pcs/reel



Dimensions: cm

ATTENTION: Abracon LLC's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon LLC is required. Please contact Abracon LLC for more information.



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