

RJ45 1000 Base-TX Jack with Magnetic Module

ARJ11E

RoHS
Compliant



16.26 x 13.84 x 21.59mm

FEATURES:

- Available with or without LED
- Suitable CAT 5 & 6 cable and UTP
- Comply IEEE 802.3ab
- LAN Magnetic with RJ4
- Suitable for RoHS compliant reflow

APPLICATIONS:

- 1000 Base-TX LAN
- NIC, LoM and PC

STANDARD SPECIFICATIONS at 25°C

Operating temperature range: 0°C to +70°C Storage temperature range: -40°C to +85°C

Part Number	Turns Ratio	EMI Fingers	LEDs	Insertion Loss (dB MAX)	Return Loss (dB MIN @100Ω±15Ω)				
			L/R	0.3-100MHz	1- 30 MHz	40 MHz	50 MHz	60 – 80 MHz	
ARJ11E-M□ SA-A-B-ΔM2	1CT:1CT	Yes	G/Y	-1.2dB	-16	-13.5	-11.5	-10	
ARJ11E-M□ SB-A-B-ΔU2	1CT:1CT	Yes	G/Y	-1.2dB	-16	-13.5	-11.5	-10	
ARJ11E-M□ SC-A-B-ΔL2	1CT:1	Yes	G/Y	-1.2dB	-16	-13.5	-11.5	-10	
ARJ11E-M□ SD-A-B-ΔM2	1CT:1CT	Yes	G/Y	-1.2dB	-16	-13.5	-11.5	-10	
ARJ11E-MASA-M2	1CT:1CT	Yes	NA	-1.2dB	-16	-13.5	-11.5	-10	
ARJ11E-MASB-M2	1CT:1CT	Yes	NA	-1.2dB	-16	-13.5	-11.5	-10	
ARJ11E-MASC-L2	1CT:1	Yes	NA	-1.2dB	-16	-13.5	-11.5	-10	
ARJ11E-MASD-M2	1CT:1CT	Yes	NA	-1.2dB	-16	-13.5	-11.5	-10	

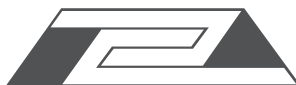
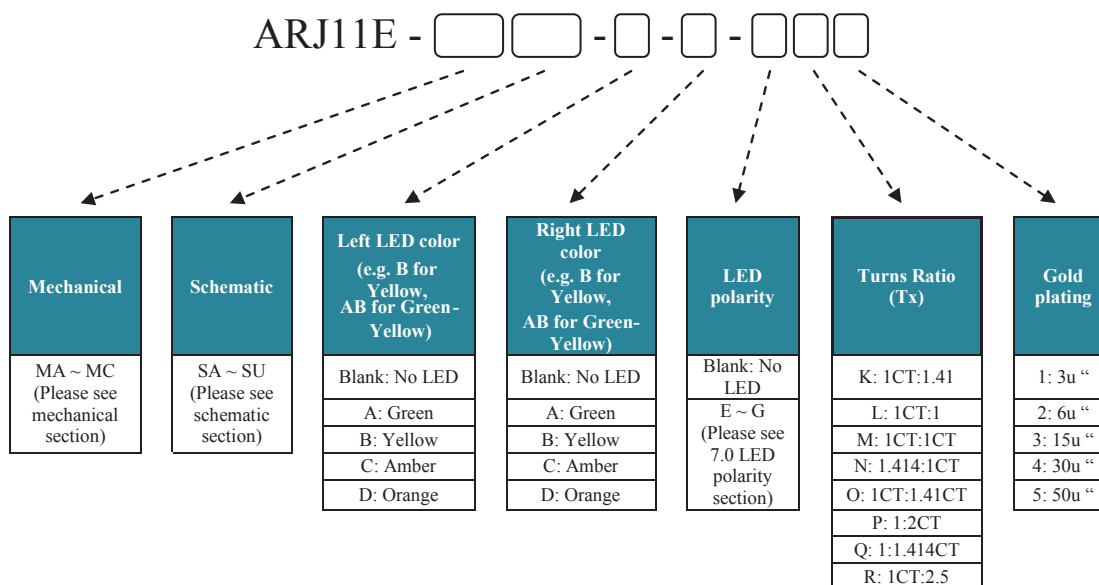
Part Number	Crosstalk (dB MIN)			Differential to Common Mode Rejection (dB MIN)			Hipot (Vrms)
	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
ARJ11E-M□ SA-A-B-ΔM2	-40	-36	-30	-35	-32	-30	1500
ARJ11E-M□ SB-A-B-ΔU2	-40	-36	-30	-35	-32	-30	1500
ARJ11E-M□ SC-A-B-ΔL2	-40	-36	-30	-35	-32	-30	1500
ARJ11E-M□ SD-A-B-ΔM2	-40	-36	-30	-35	-32	-30	1500
ARJ11E-MASA-M2	-40	-36	-30	-35	-32	-30	1500
ARJ11E-MASB-M2	-40	-36	-30	-35	-32	-30	1500
ARJ11E-MASC-L2	-40	-36	-30	-35	-32	-30	1500
ARJ11E-MASD-M2	-40	-36	-30	-35	-32	-30	1500

□ : Mechanical Option: B or C

Δ : LED Polarity Option: E, F or G

Contact Abracon for more custom configurations. See options to build a custom configuration.

OPTIONS AND PART IDENTIFICATION



RJ45 1000 Base-TX Jack with Magnetic Module

ARJ11E

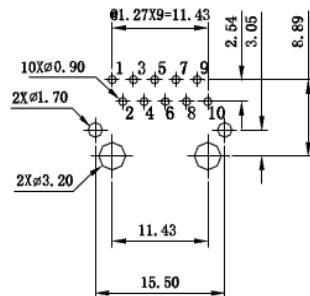
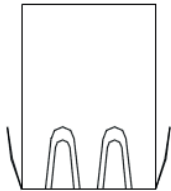
RoHS
Compliant



16.26 x 13.84 x 21.59mm

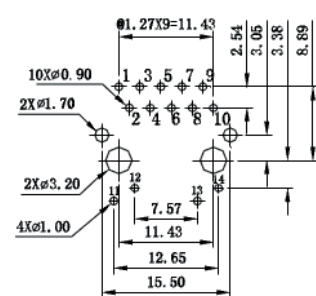
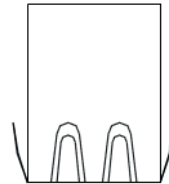
MECHANICAL DIMENSIONS

MA



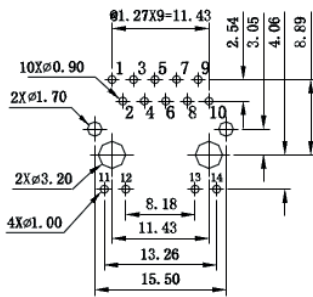
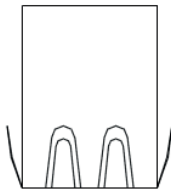
PC Board Layout
Component Side Shown

MB



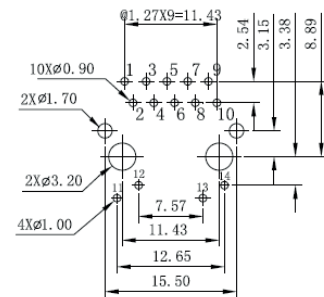
PC Board Layout
Component Side Shown

MC

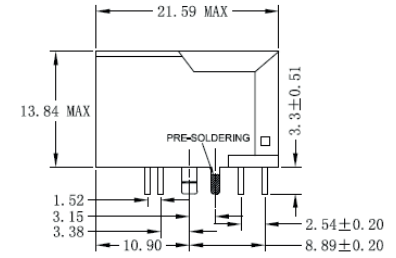
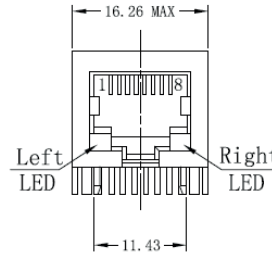
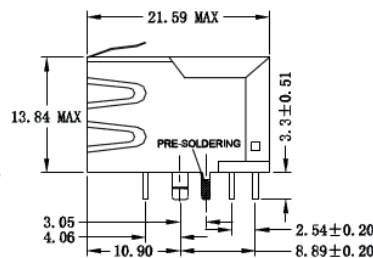
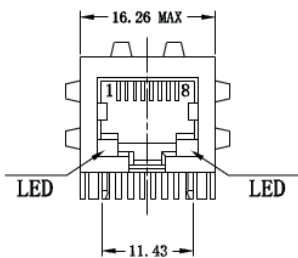
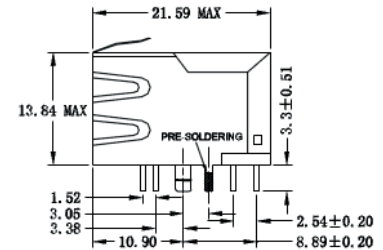
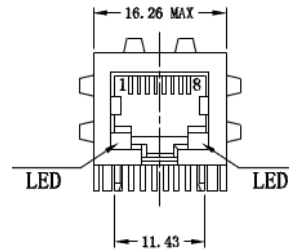
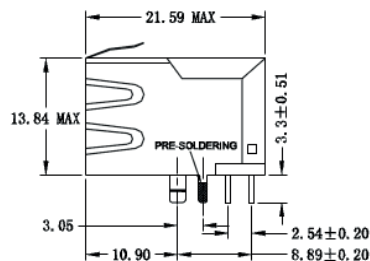
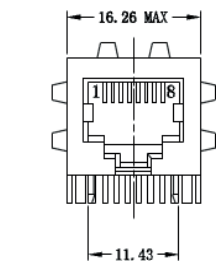


PC Board Layout
Component Side Shown

MD



PC Board Layout
Component Side Shown



Dimension: mm. All tolerances are ± 0.25

RJ45 1000 Base-TX Jack with Magnetic Module

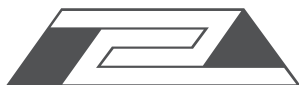
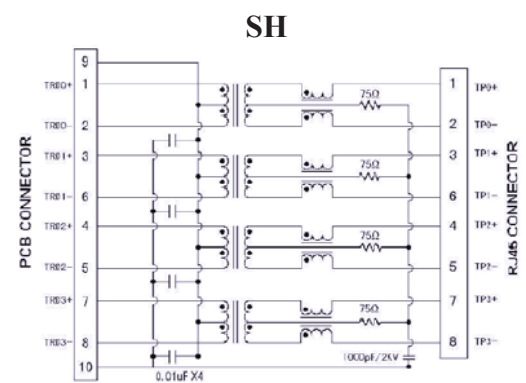
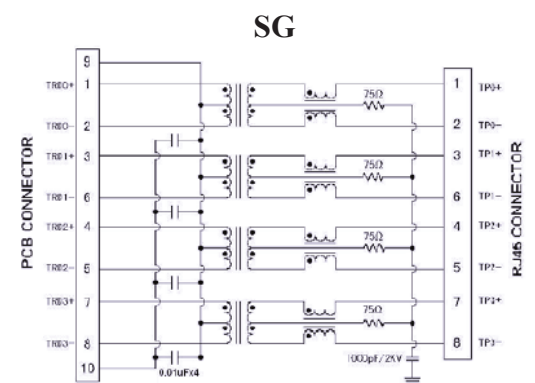
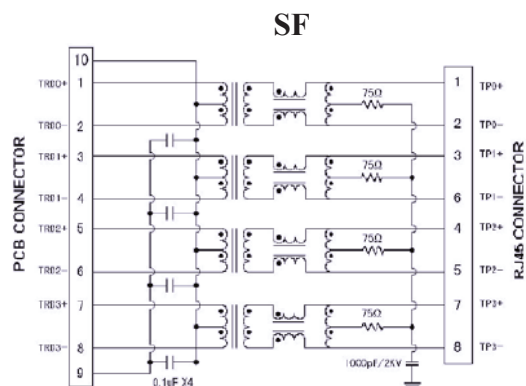
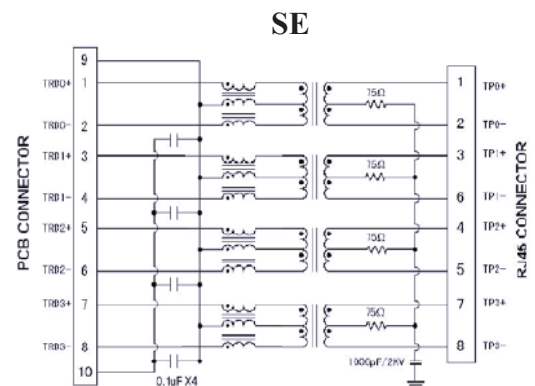
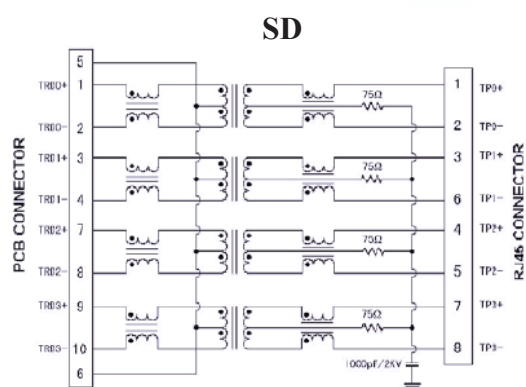
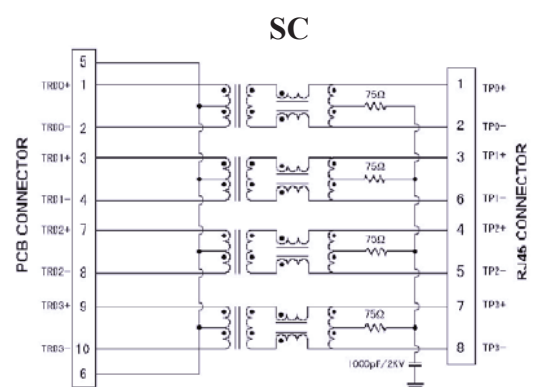
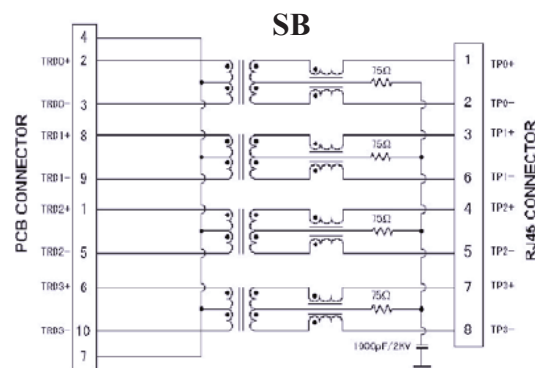
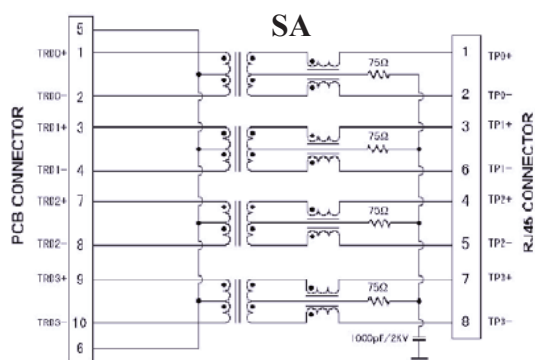
ARJ11E

RoHS
Compliant



16.26 x 13.84 x 21.59mm

SCHEMATICS



RJ45 1000 Base-TX Jack with Magnetic Module

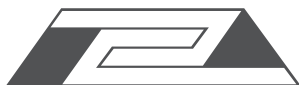
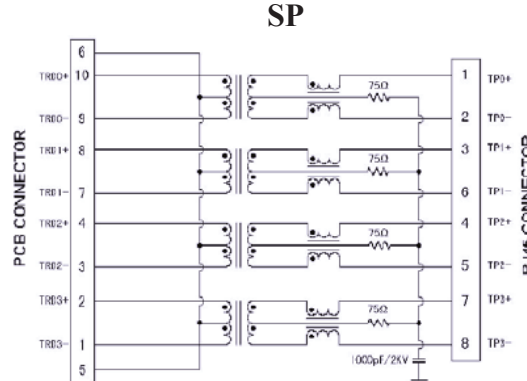
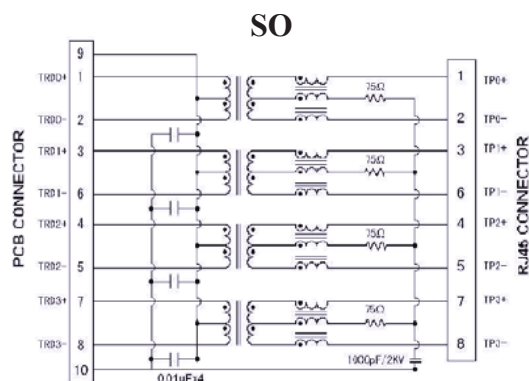
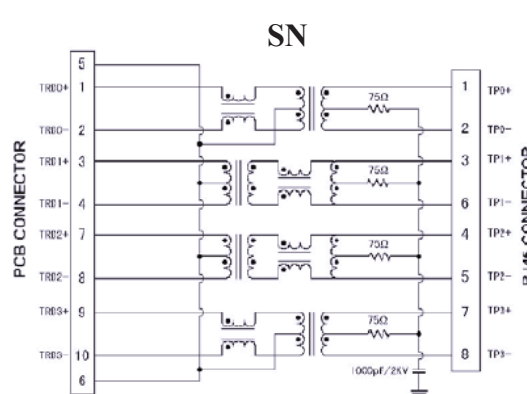
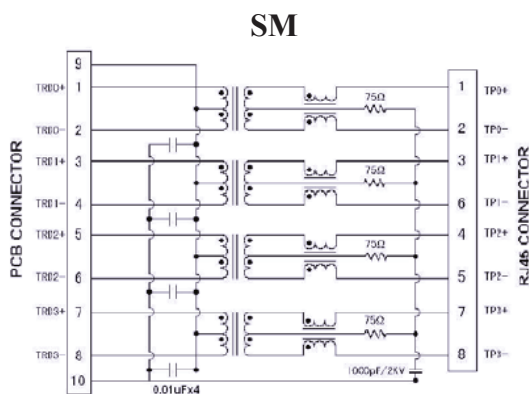
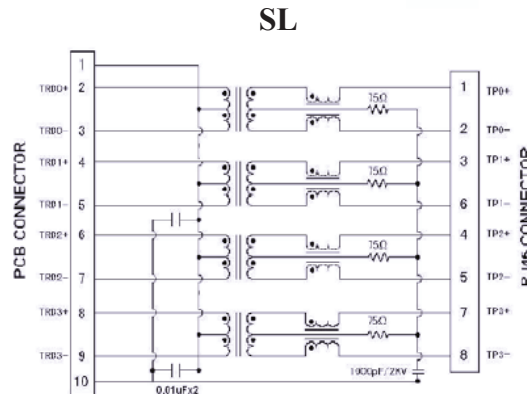
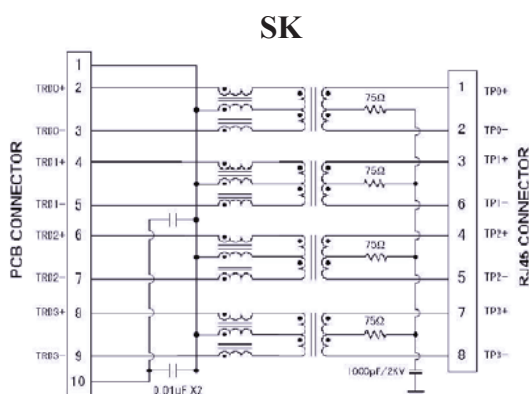
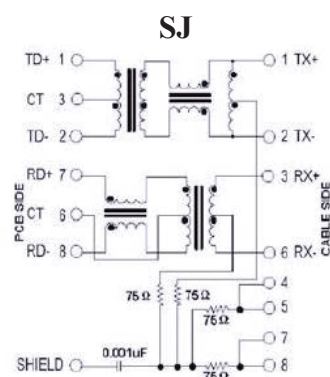
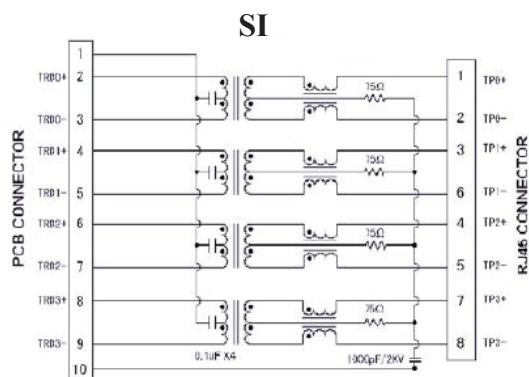
ARJ11E

RoHS
Compliant



16.26 x 13.84 x 21.59mm

SCHEMATICS - continued



RJ45 1000 Base-TX Jack with Magnetic Module

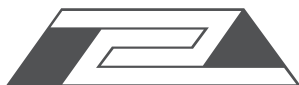
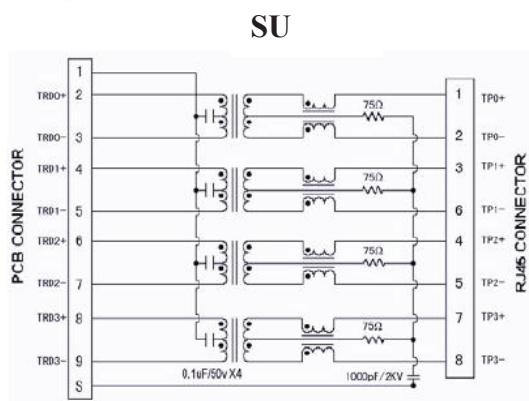
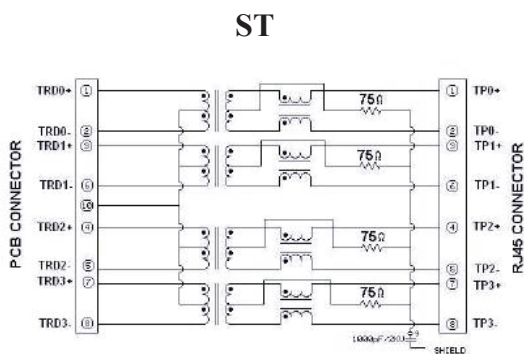
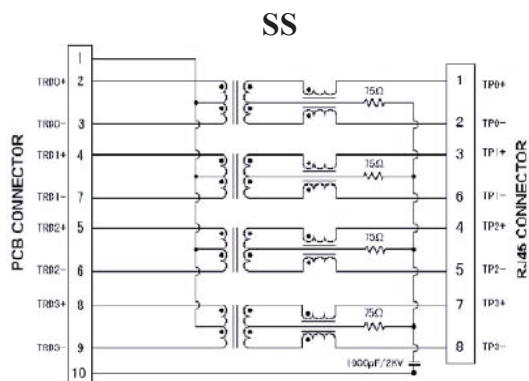
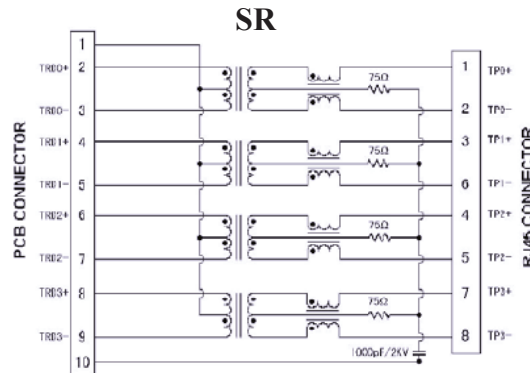
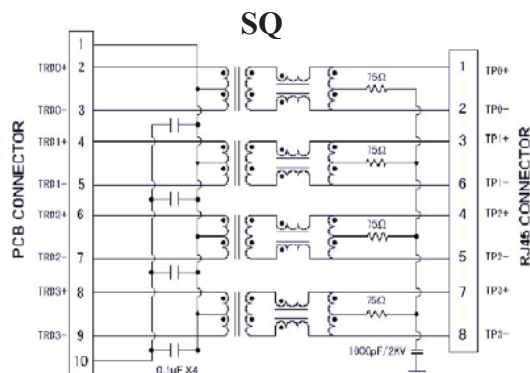
ARJ11E

RoHS
Compliant



16.26 x 13.84 x 21.59mm

SCHEMATICS - continued



RJ45 1000 Base-TX Jack with Magnetic Module

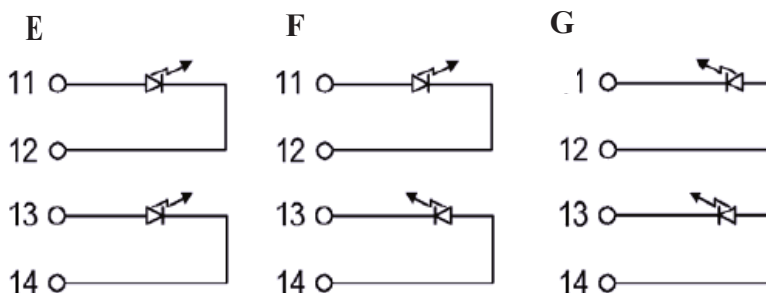
ARJ11E

RoHS
Compliant



16.26 x 13.84 x 21.59mm

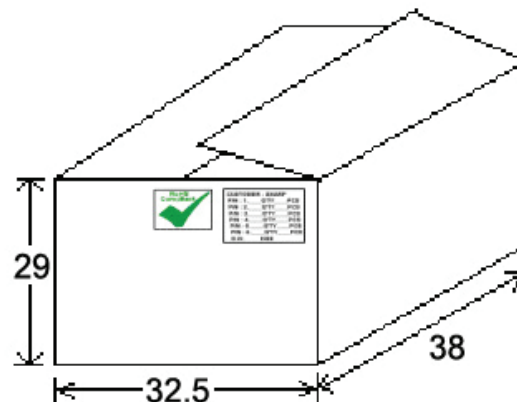
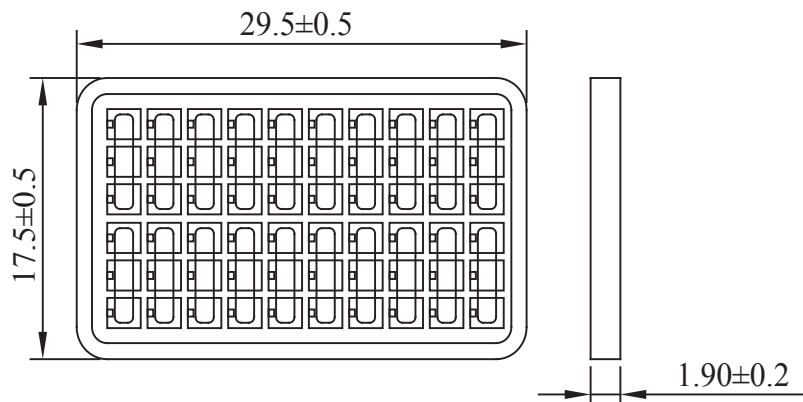
LED POLARITY



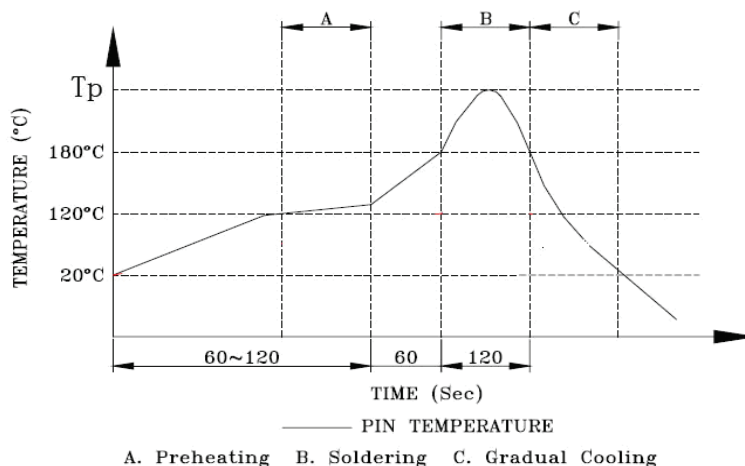
PACKING: 60pcs/tray

Packaging material: PET

Outer carton unit 1320 pcs/ 22 Trays/box



REFLOW PROFILE:



ATTENTION: Abracon Corporation'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-dependant 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 Corporation is required. Please contact Abracon Corporation for more information.

ABRACON IS
ISO 9001:2008
CERTIFIED



ABRACON
CORPORATION

Visit www.abracon.com for Terms & Conditions of Sale
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

Revised: 05.13.13