











-  Magnetic Integrated Connector Modules
-  Compliant with IEEE802.3 standard including 350μH OCL with 8mA DC Bias
-  1500Vrms isolation voltage per IEEE802.3
-  Enhanced performance on EMI suppression with metal shield
-  Support various 10/100 transceiver ICs
-  Operating temperature 0°C to +70°C
-  Stacked design for Hub and Switch Applications
-  Symmetrical TX and RX channels which is suitable for Auto MDI/MDIX application
-  UL 1863 listed
-  RoHS compliant versions are available



GENERAL ELECTRICAL SPECIFICATION @ 25°C

Insertion Loss (dB Max)	Return Loss (dB Min)				CMRR (dB Min)			Crosstalk (dB Min)	Hipot (Vrms)
	0.1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	32MHz	62MHz		
1.0	16.0	14.0	13.0	12.0	42.0	37.0	33.0	35.0	1500

PART NUMBER TABLE

Part Number ¹	RoHS Part Number	Turn Ratio (Chip : Cable) (±3%)		Configuration ²		LED ³ (Left / Right)	Mechanical Package	Schematic
		Tx	Rx	Tx	Rx			
MJ-24N2EEA0-H14N	MJR24N2EEA0-H14N	1CT:1CT	1CT:1CT	TC	TC	E / E	MJ24N-05A	H14N
MJ-26N2EEA0-H14N	MJR26N2EEA0-H14N	1CT:1CT	1CT:1CT	TC	TC	E / E	MJ26N-05A	H14N
MJ-28N2EEA0-H14N	MJR28N2EEA0-H14N	1CT:1CT	1CT:1CT	TC	TC	E / E	MJ28N-05A	H14N

Notes:

1. For different electrical and mechanical specifications, please contact E&E Magnetic Products Limited.
2. Core location are counted from PCB (Chip) side to Cable (Media) side, where:
"T" = Isolation transformer ; "C" = Common-mode choke ;
3. LEDs (Left / Right) : "E" = Orange & Green bi-color (3 terminals type). For different LED color requirements, please contact E&E Magnetic Products Limited.
4. Panel tabs are optional.
5. All parts shown in this datasheet have gold plating thickness of 10 micro-inch (min.) over contact area. Advance options including 30 micro-inch (min.) and 50 micro-inch (min.) are also available.

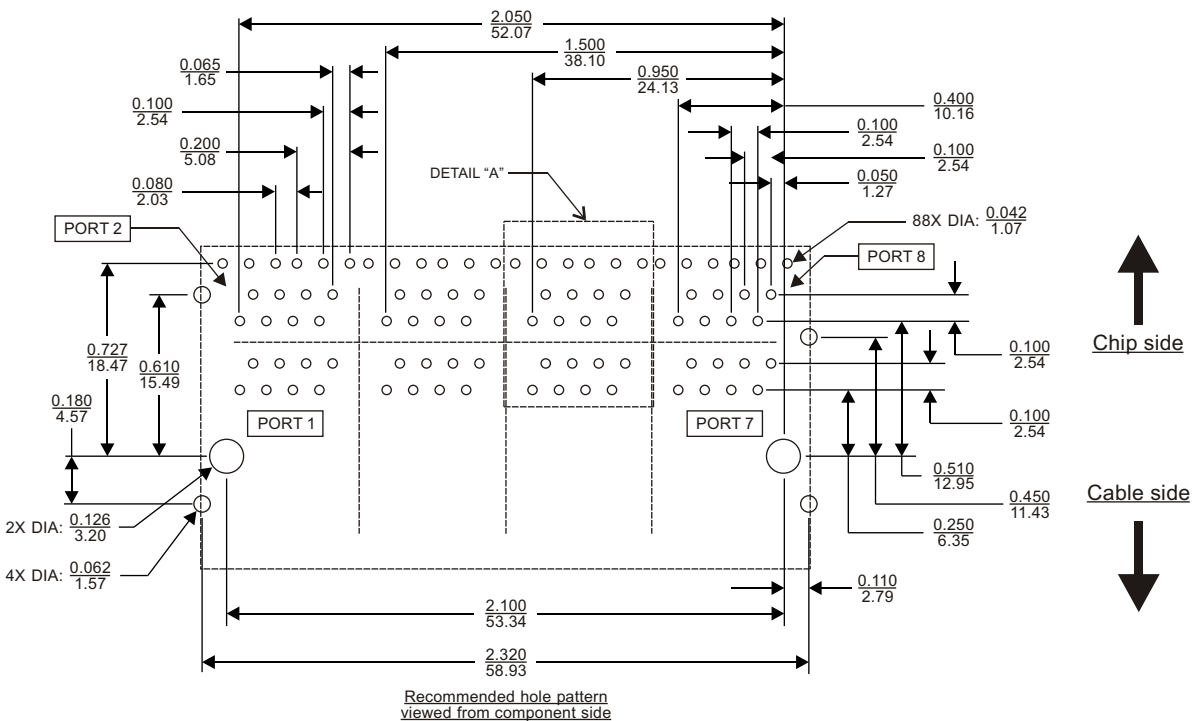
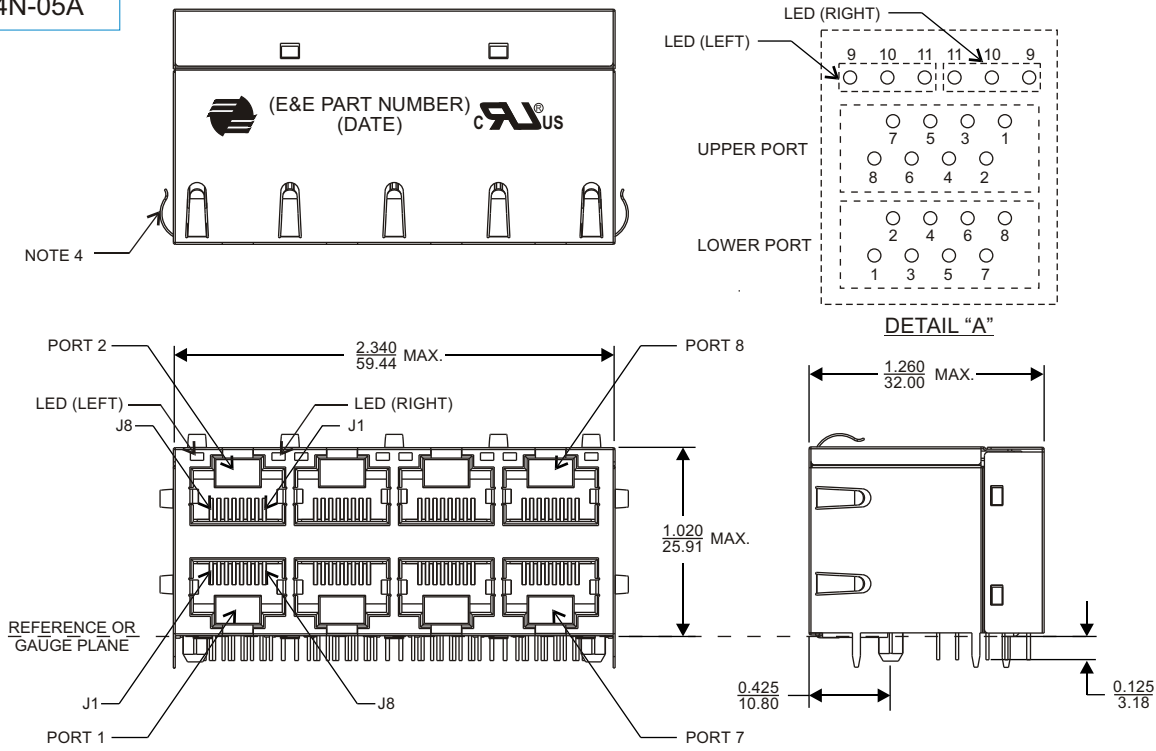
MATERIALS

Housing	Consist of thermoset & thermoplastic materials, all of them are UL 94-V0 rated.
Contact Pins ⁵	Phosphor bronze, plated with nickel under-plating and hard gold over contact area.
PCB Pins	Copper wire which meets solderability requirements per MIL-STD-202, method 208.



MECHANICAL DIMENSIONS

MJ24N-05A



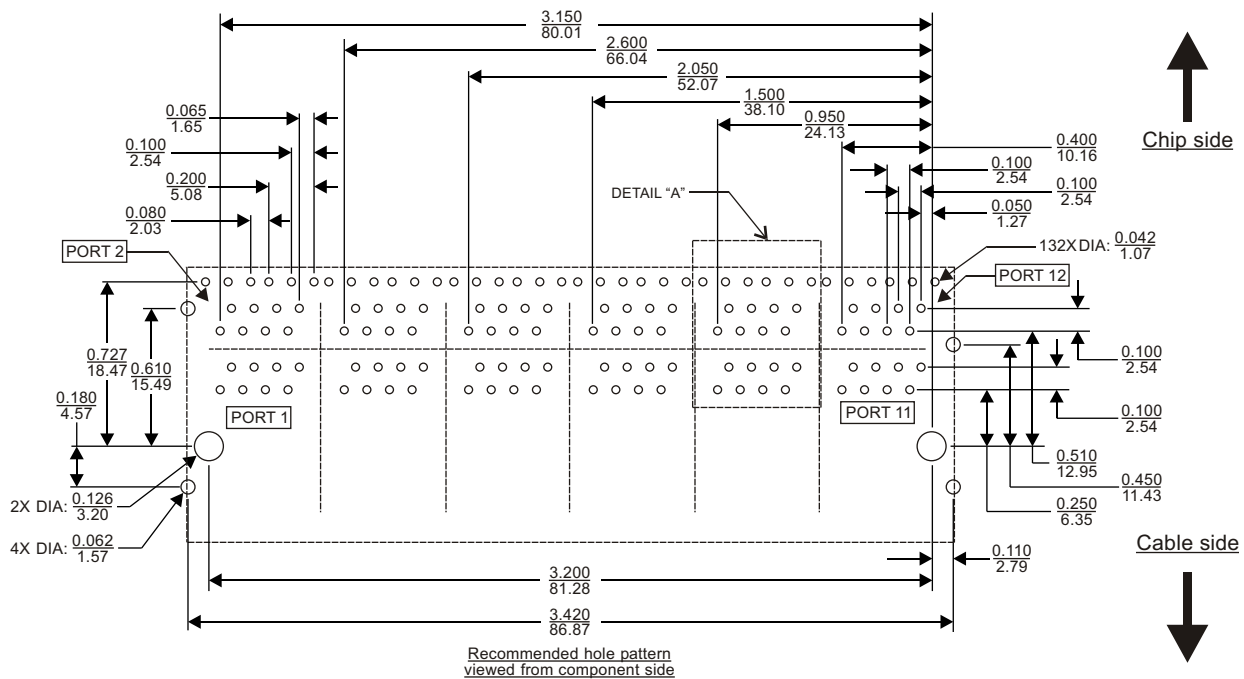
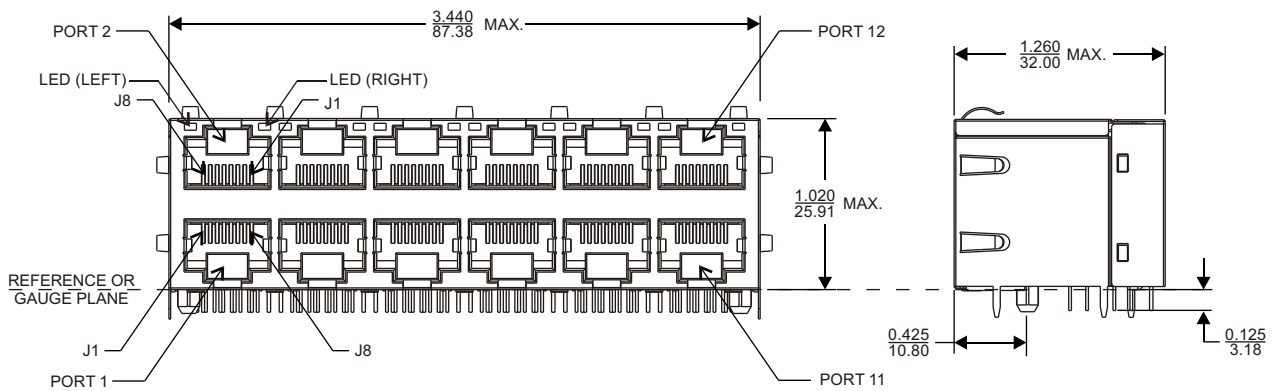
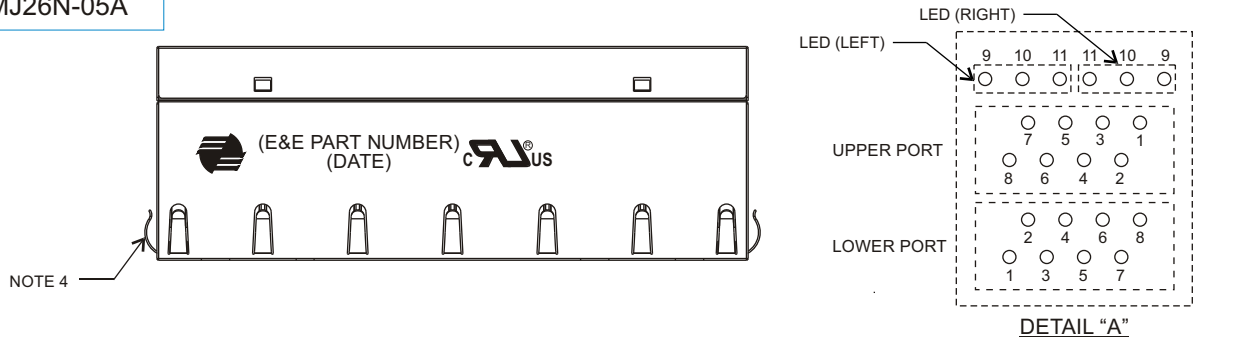
All dimensions are specified in $\frac{\text{inch}}{\text{mm}}$ with higher precedence in inch.

Unless otherwise specified, all tolerances are $\pm \frac{0.010}{0.25}$.



MECHANICAL DIMENSIONS

MJ26N-05A

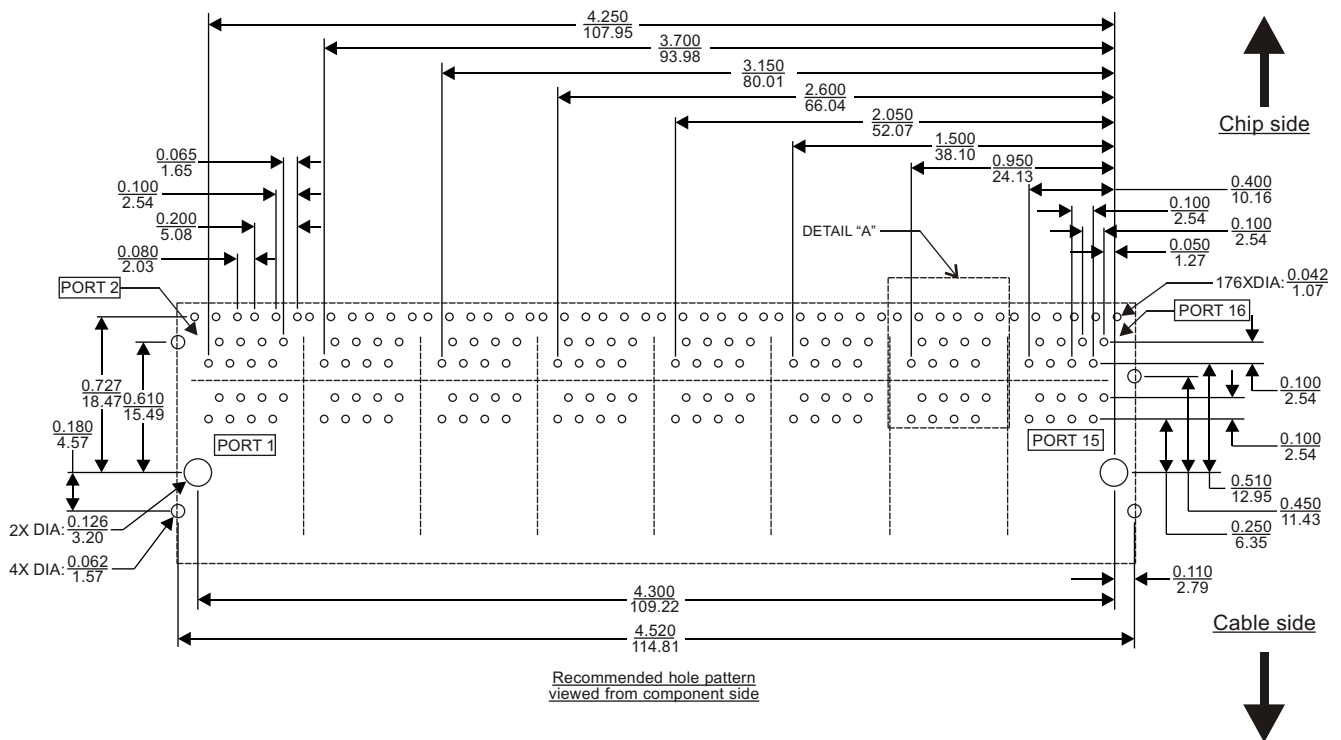
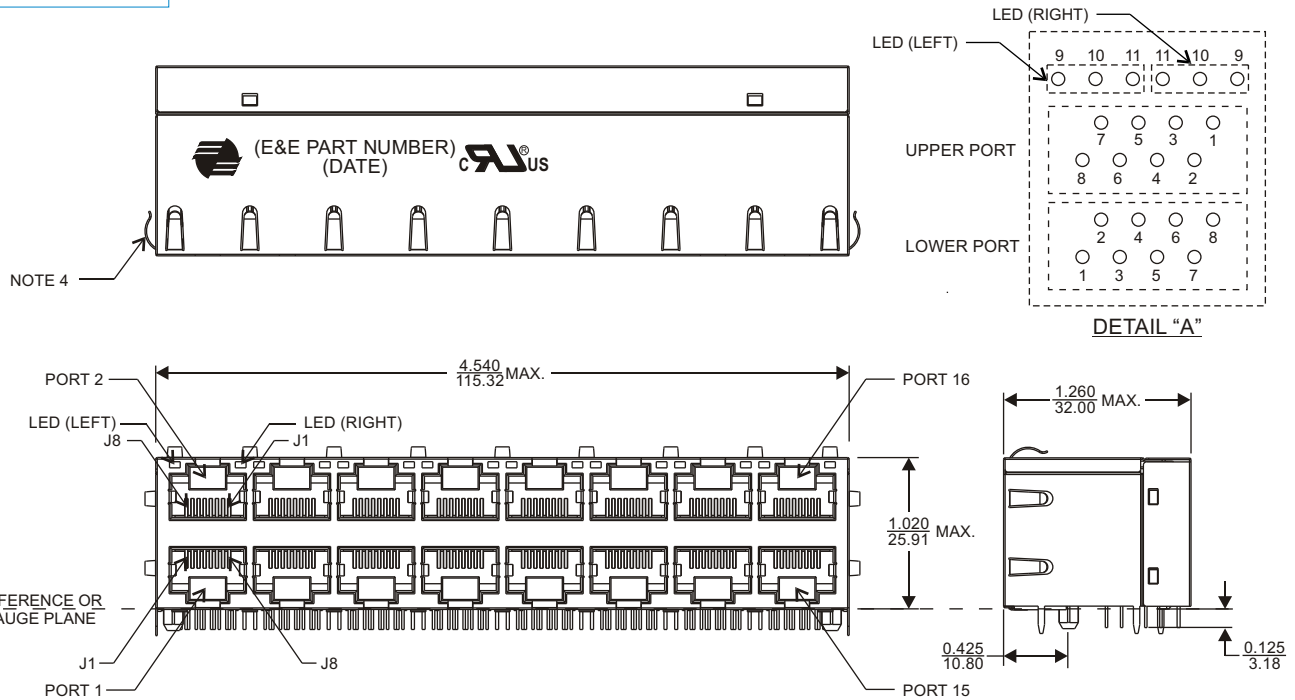


All dimensions are specified in $\frac{\text{inch}}{\text{mm}}$ with higher precedence in inch.

Unless otherwise specified, all tolerances are $\pm \frac{0.010}{0.25}$.

MECHANICAL DIMENSIONS

MJ28N-05A

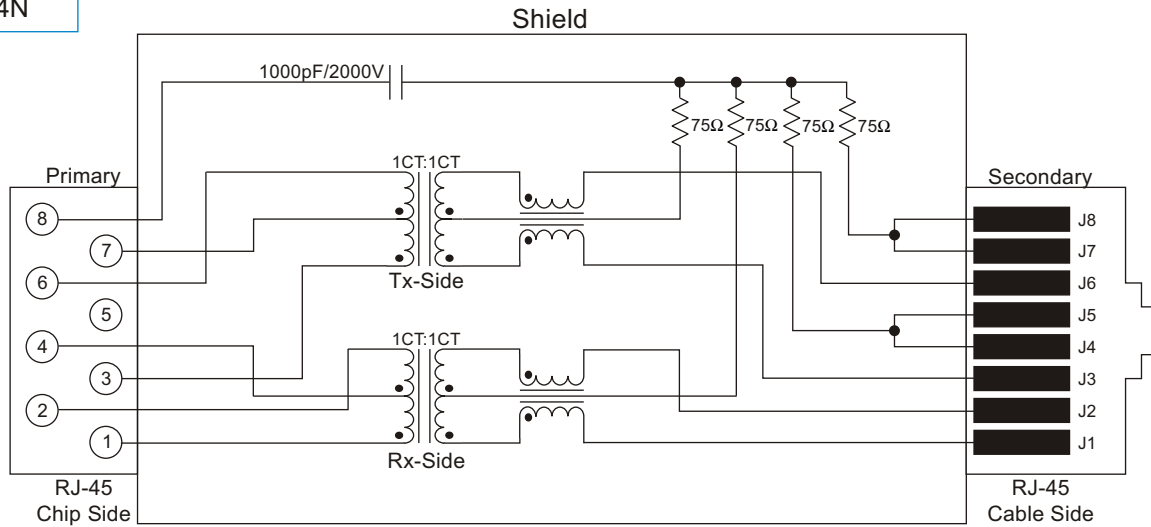


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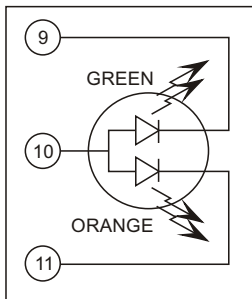
Unless otherwise specified, all tolerances are $\pm \frac{0.010}{0.25}$.

SCHEMATICS (EACH PORT)

H14N



LEDs COLOR AND POLARITY



COLOR	POLARITY		COLOR	POLARITY	
	PIN 10	PIN 9		PIN 10	PIN 11
GREEN	+	-	ORANGE	+	-

LED SPECIFICATION @25°C, FORWARD CURRENT = 20mA

Standard Color	Typical Wavelength (nm)	Forward Voltage (volt)	
		Typical	Maximum
Green	565	2.2	2.5
Orange	607	2.05	2.5

FOR MORE INFORMATION, PLEASE CONTACT

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