










-  Magnetic Integrated Connector Modules
-  Compliant with IEEE802.3af standard including 350μH OCL with 8mA DC Bias
-  1500Vrms isolation voltage per IEEE802.3af
-  350mA balanced DC line current capability
-  Designed for Power over Ethernet (PoE) enabled Switch / Router / Hub applications
-  Enhanced performance on EMI suppression with metal shield
-  Operating temperature 0°C to +70°C
-  UL 1863 listed
-  RoHS compliant versions are available



GENERAL ELECTRICAL SPECIFICATION @ 25°C

Insertion Loss (dB Max)	Return Loss (dB Min)		Crosstalk (dB Min)	Hipot (Vrms)
	0.1-100MHz	40-100MHz		
1.5	16.0	10.0	30.0	1500

PART NUMBER TABLE

Part Number ²	RoHS Part Number	Turn Ratio (±3%) (Chip : Cable)	Configuration ³	Platform	Mechanical Package	Schematic
MJ-24N2NNA2-E7102	MJR24N2NNA2-E7102	1CT:1	TCA	2x4	MJ24N-07A	E7102
MJ-26N2NNA2-E7102	MJR26N2NNA2-E7102	1CT:1	TCA	2x6	MJ26N-07A	E7102
MJ-28N2NNA2-E7102	MJR28N2NNA2-E7102	1CT:1	TCA	2x8	MJ28N-07A	E7102

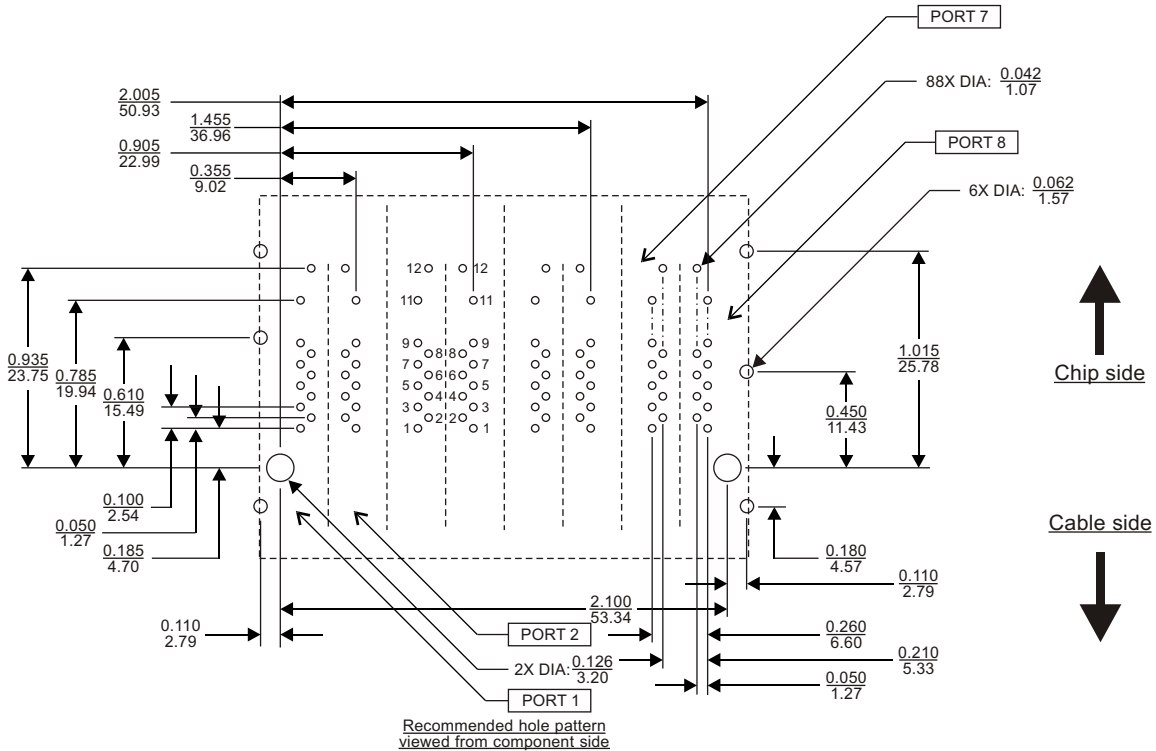
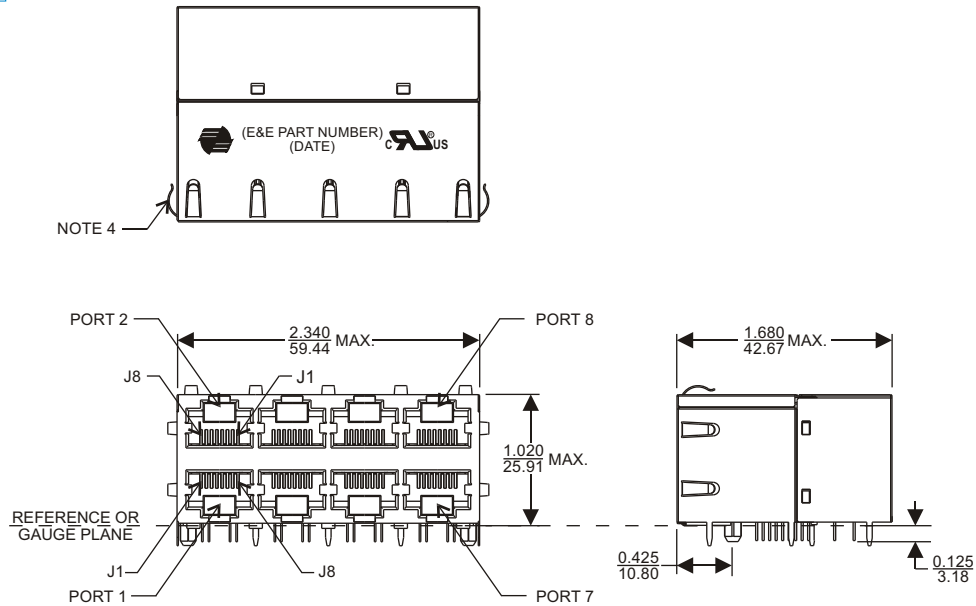
Notes:

1. "F" represents the test frequency specified in MHz.
2. For different electrical and mechanical specifications, please contact E&E Magnetic Products Limited.
3. Core location are counted from PCB (Chip) side to Cable (Media) side, where:
"T" = Isolation transformer ; "C" = Common-mode choke ; "A" = Auto-transformer .
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.



MECHANICAL DIMENSIONS

MJ24N-07A



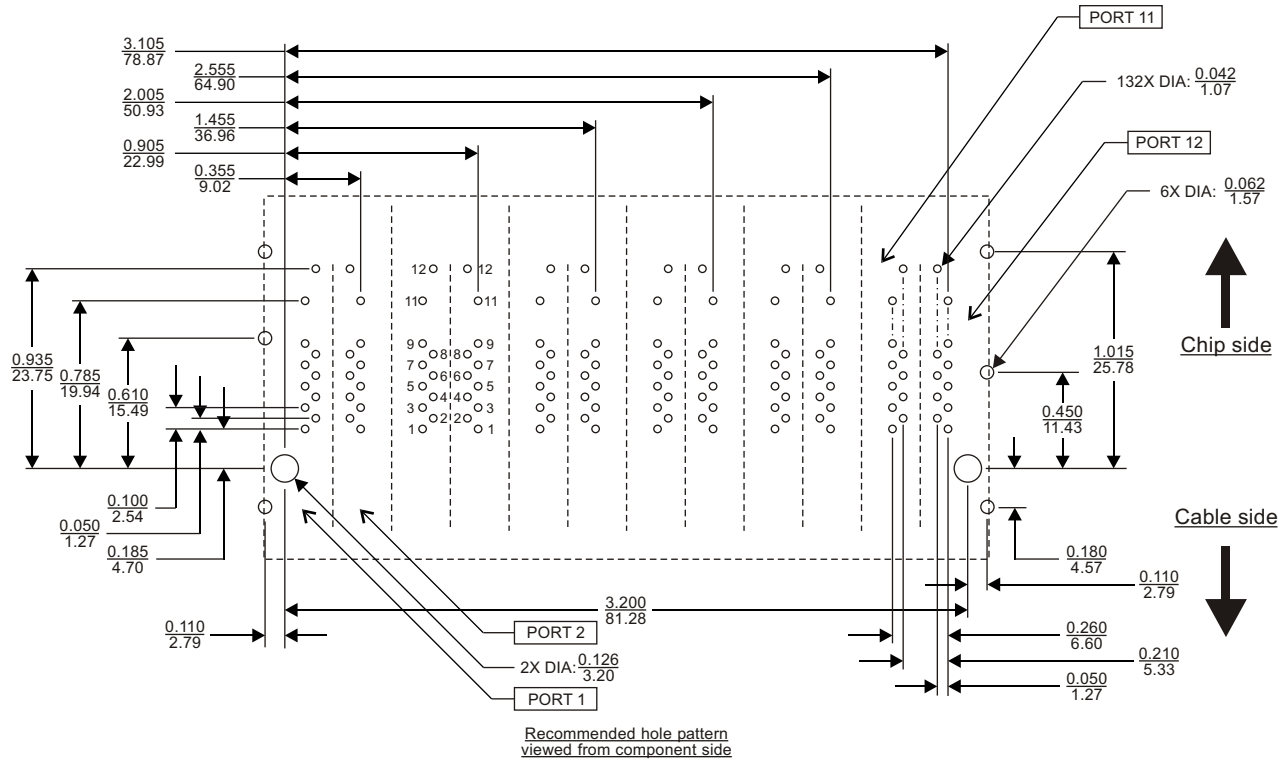
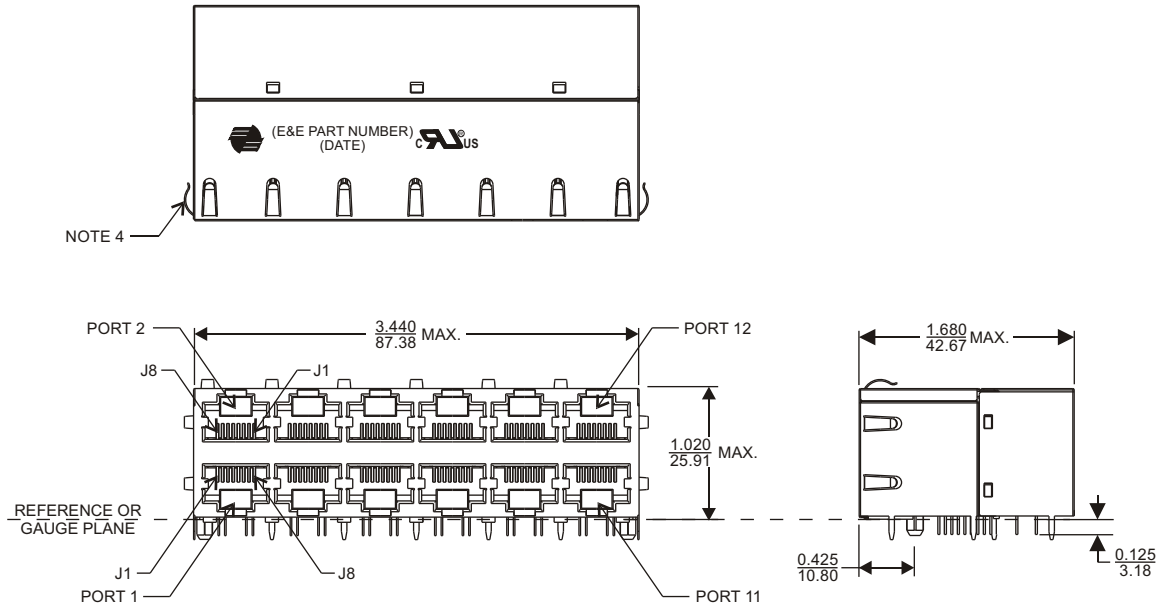
All dimensions are specified in $\frac{\text{inch}}{\text{mm}}$ with higher precedence in inch.

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



MECHANICAL DIMENSIONS

MJ26N-07A



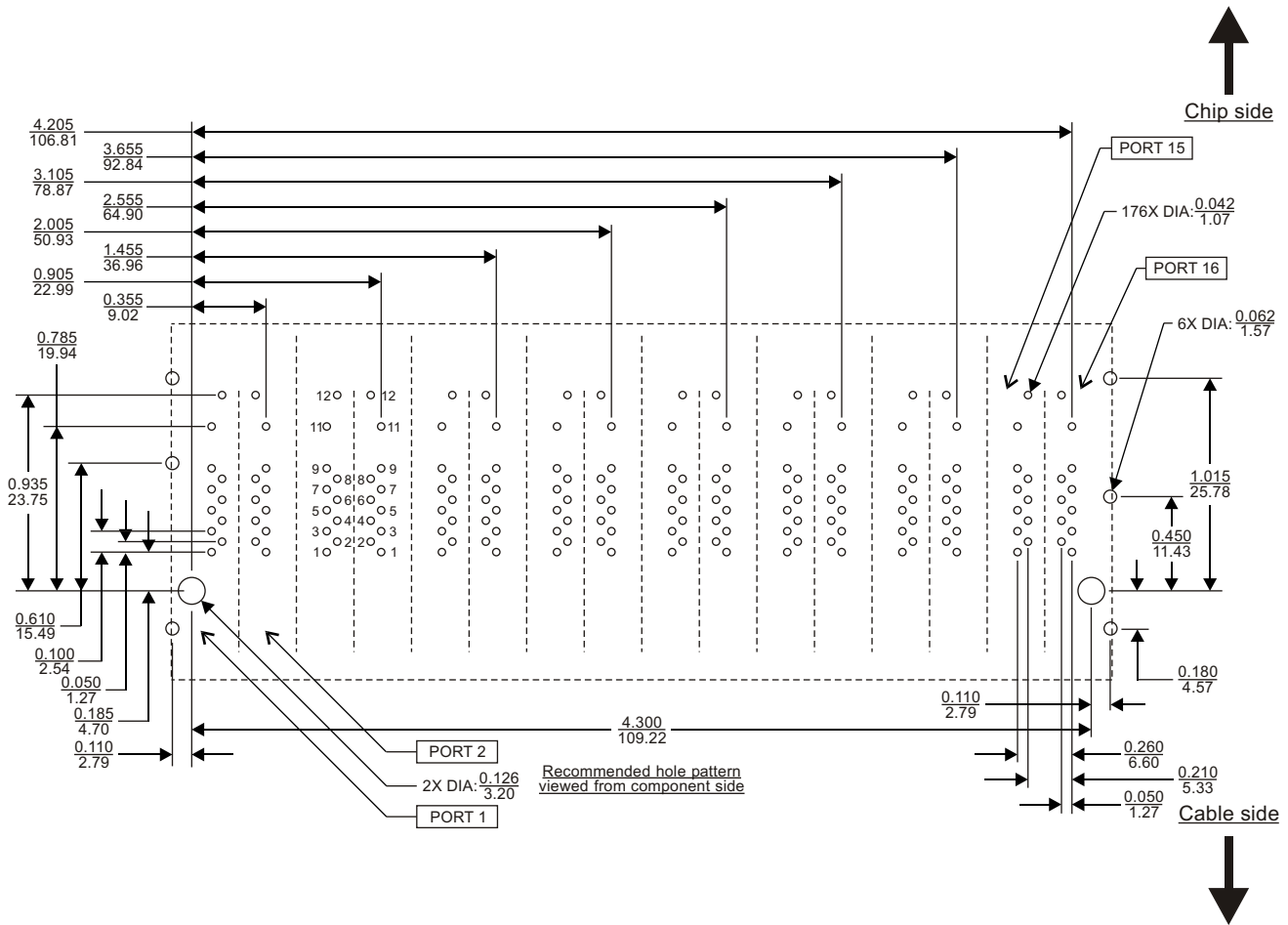
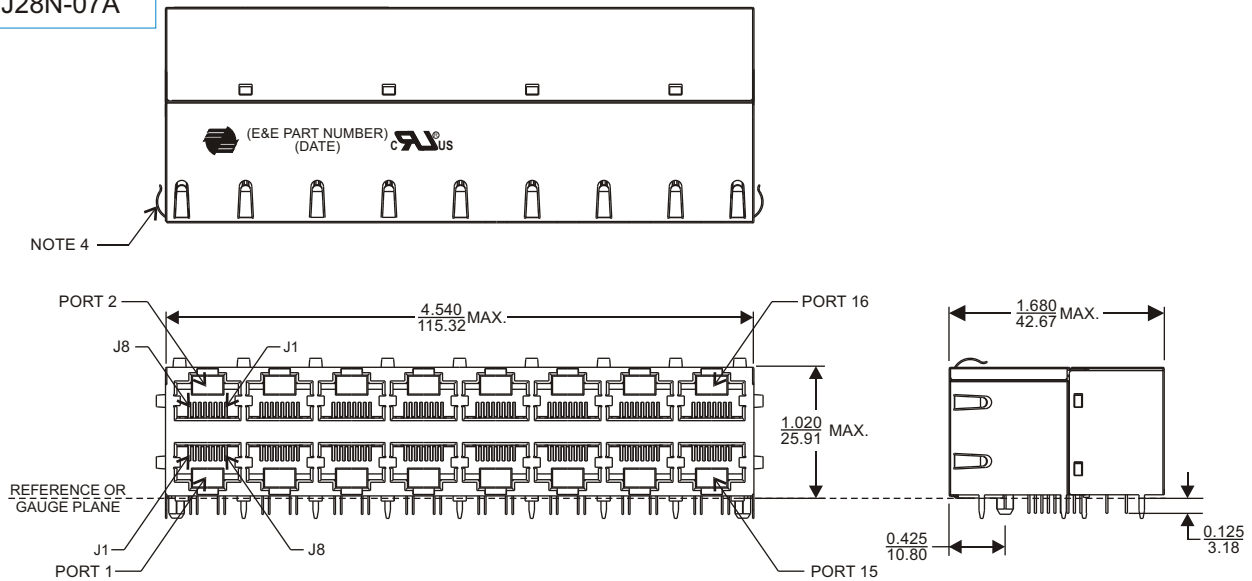
All dimensions are specified in $\frac{\text{inch}}{\text{mm}}$ with higher precedence in inch.

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



MECHANICAL DIMENSIONS

MJ28N-07A

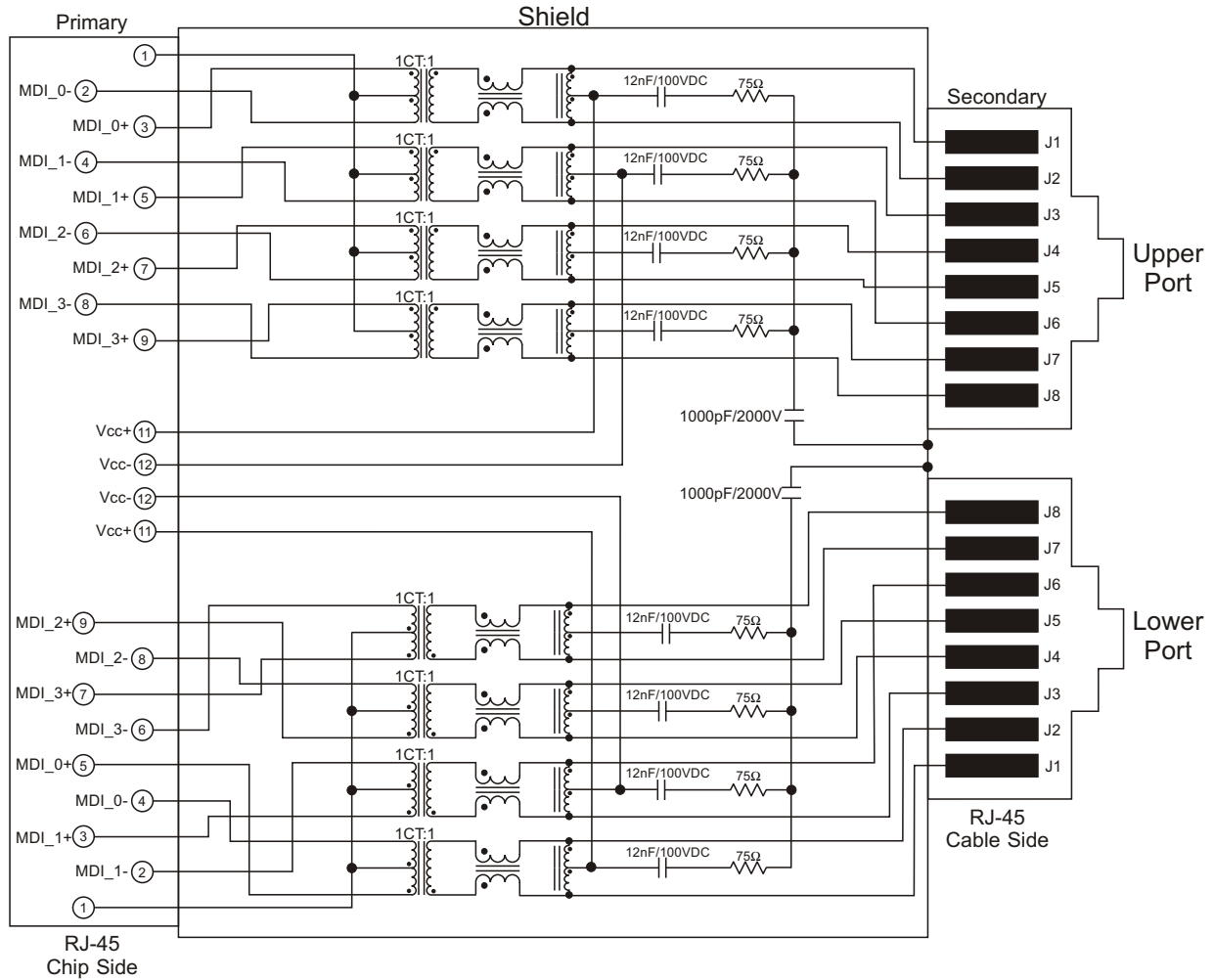


All dimensions are specified in $\frac{\text{inch}}{\text{mm}}$ with higher precedence in inch.

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

SCHEMATICS(EACH PAIR PORT)

E7102



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.

FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER
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