








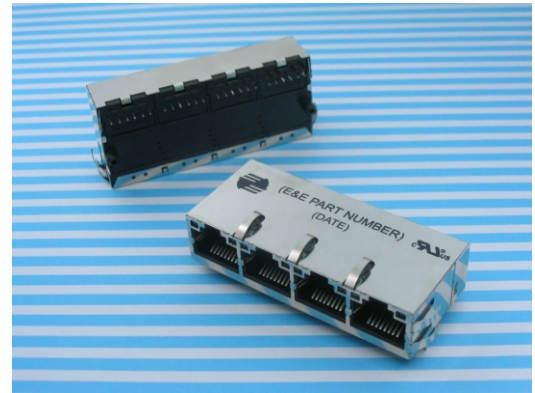


-  Magnetic Integrated Connector Modules
-  Compliant with IEEE802.3 standard including 350μH OCL with 8mA DC Bias
-  1500Vrms isolation voltage per IEEE802.3
-  Enhanced performance on EMI suppression with metal shield
-  Support various 10/100 transceiver ICs
-  Operating temperature 0°C to +70°C
-  Gang 1x4 design for Hub and Switch Applications
-  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)
	1-30MHz	40MHz	50MHz	60-80MHz	32MHz	62MHz	100MHz		
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-14U2NNA4-H34K	MJR14U2NNA4-H34K	1CT:1CT	1CT:1CT	TC	TC	—	MJ14U-02A	H34K ⁴
MJ-14U2NNA4-H34U	MJR14U2NNA4-H34U	1CT:1	1CT:1CT	TCA	CT	—	MJ14U-02A	H34U
MJ-14U2NNA4-H358	MJR14U2NNA4-H358	1CT:1CT	1CT:1CT	CT	CT	—	MJ14U-02A	H358 ⁴
MJ-14U2NNA4-K34K ⁷	MJR14U2NNA4-K34K	1CT:1CT	1CT:1CT	TC	TC	—	MJ14U-02A	K34K ⁴

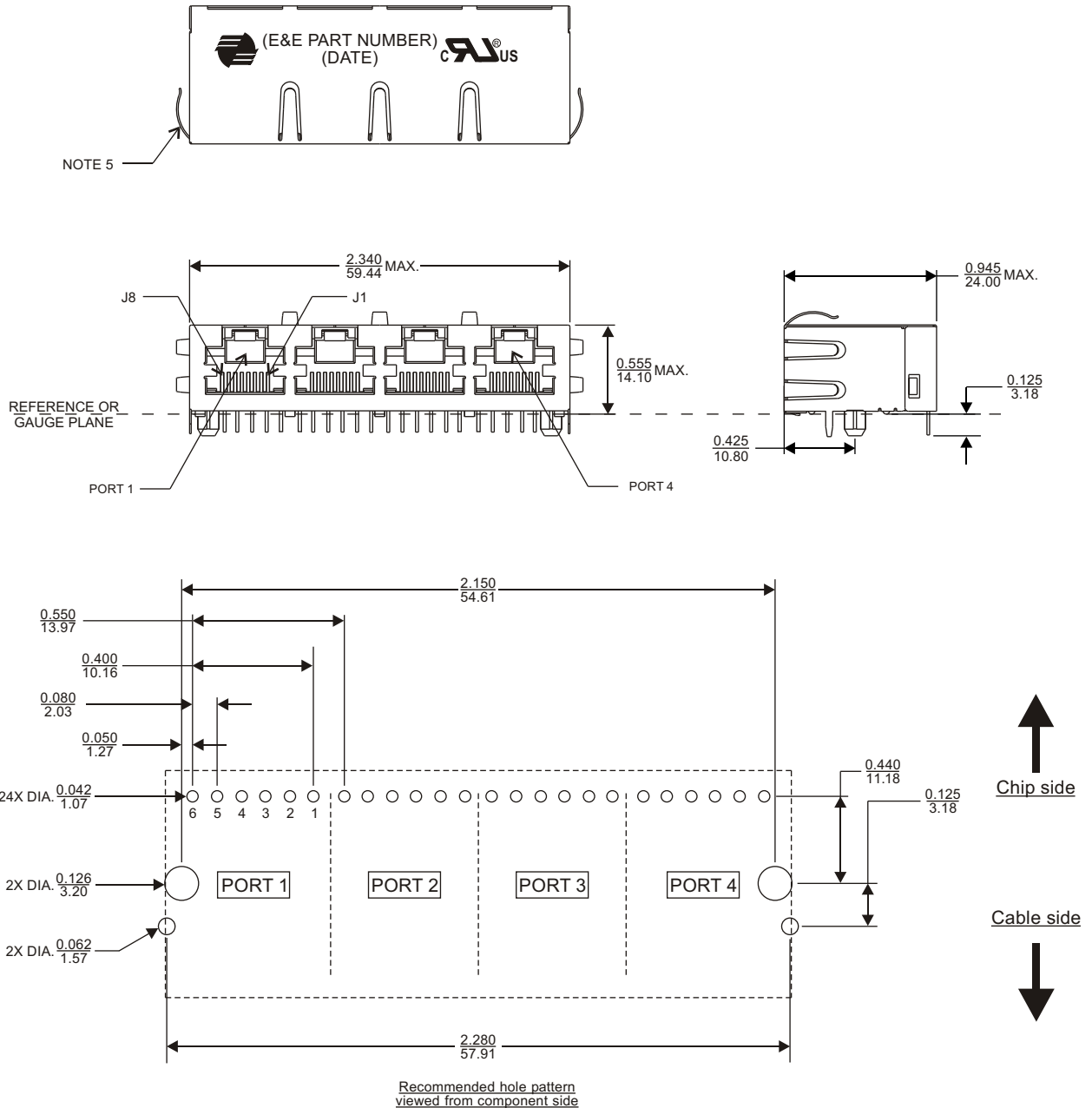
Notes:

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 ; "A" = Auto-transformer
3. LEDs (Left / Right) : "—" = None.
4. Schematic H34K, H358 and K34K are suitable for Auto MDI/MDIX applications.
5. Panel tabs are optional.
6. 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.
7. Operating temperature: -40°C to +85°C.



MECHANICAL DIMENSIONS

MJ14U-01A

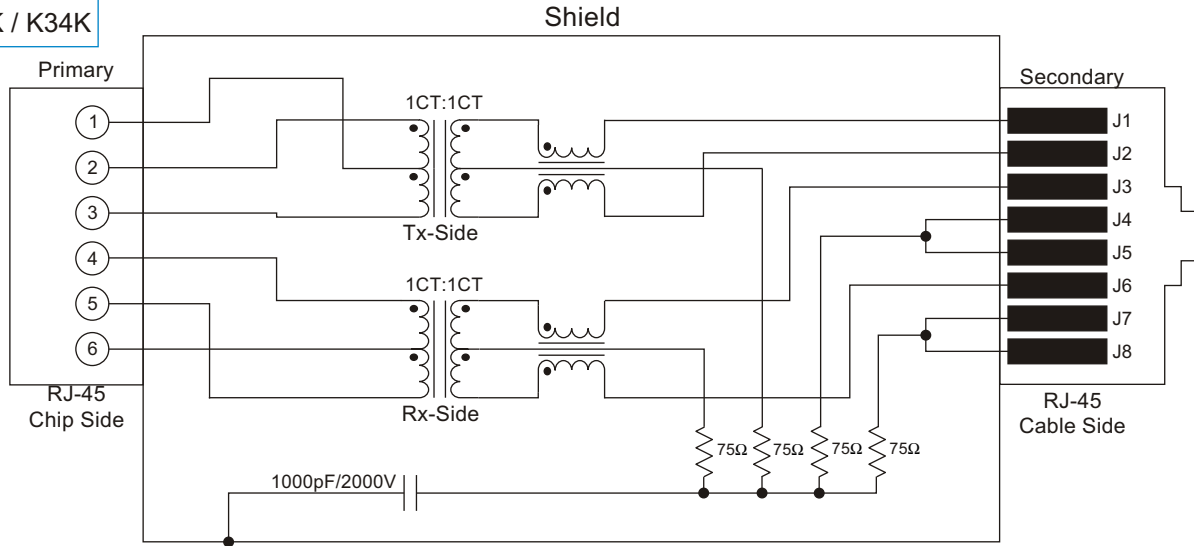


All dimensions are specified in $\frac{\text{inch}}{\text{mm}}$ with higher precedence in inch.

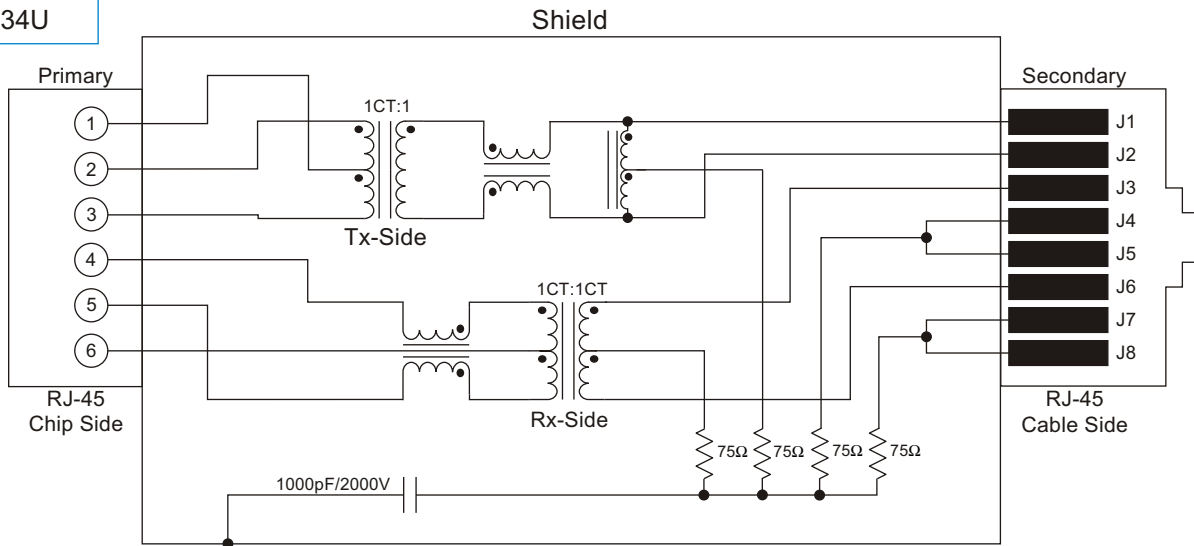
Unless otherwise specified, all tolerances are $\pm \frac{0.010}{0.25}$.

SCHEMATICS

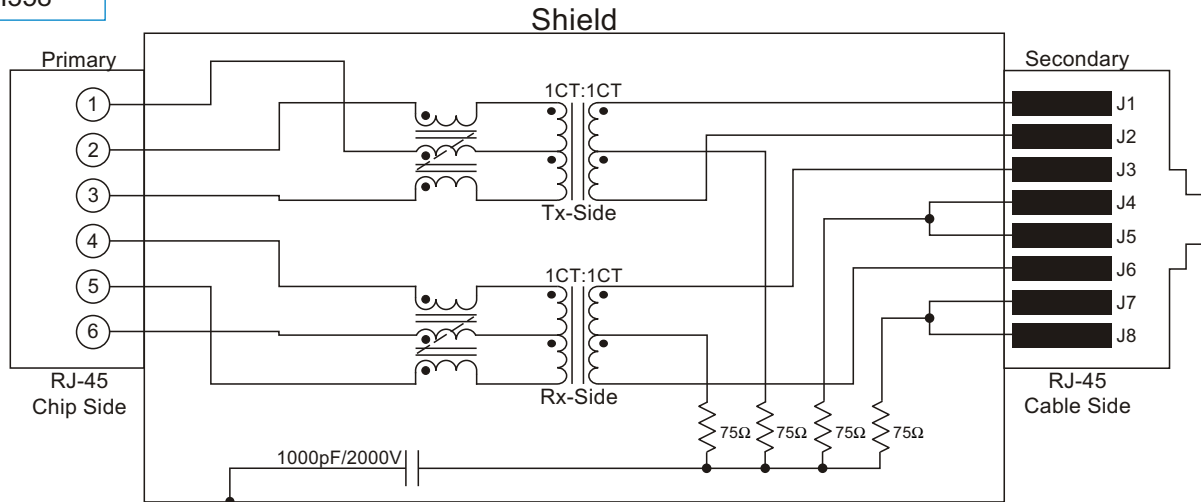
H34K / K34K



H34U



H358





MATERIALS

Housing	Consist of thermoset & thermoplastic materials, all of them are UL 94-V0 rated.
Contact Pins ⁶	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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