







-  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



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		
0.1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	32MHz	62MHz	100MHz	0.1-100MHz	
1.0	16.0	14.0	13.0	12.0	42.0	37.0	33.0	35.0	1500

PART NUMBER TABLE

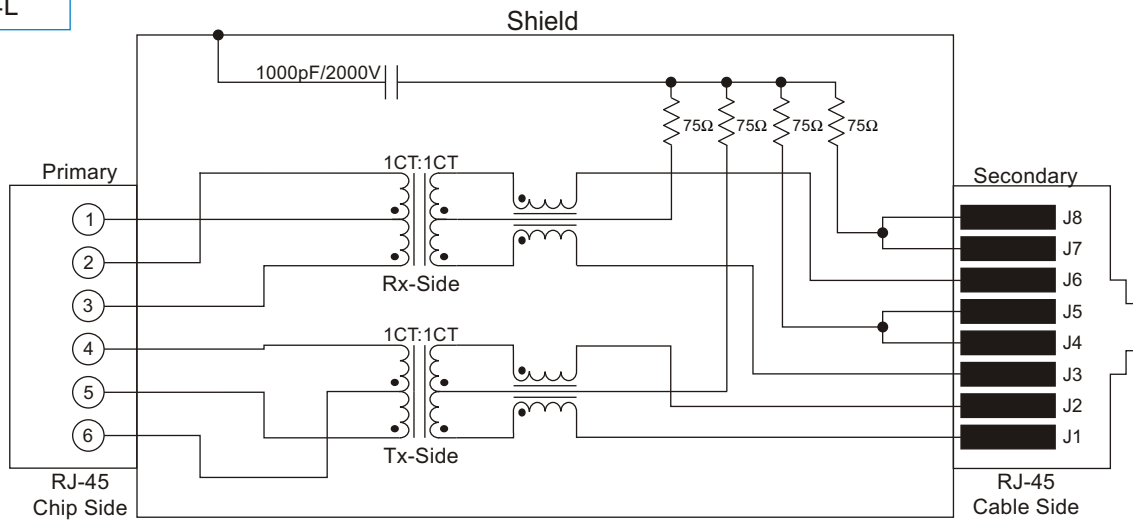
Part Number ¹	RoHS Part Number	Turn Ratio (Chip : Cable) (±3%)		Configuration ³		LED ⁴ (Left / Right)	Mechanical Package	Schematic
		Tx	Rx	Tx	Rx			
MJ-11S2NNA4-H34L	— ²	1CT:1CT	1CT:1CT	TC	TC	—	MJ11S-01A	H34L ⁵
MJ-11S2NNA4-H359	— ²	1CT:1CT	1CT:1CT	CT	CT	—	MJ11S-01A	H359 ⁵
MJ-11S2NNA4-H35V	— ²	1CT:1	1CT:1CT	TCA	CT	—	MJ11S-01A	H35V

Notes:

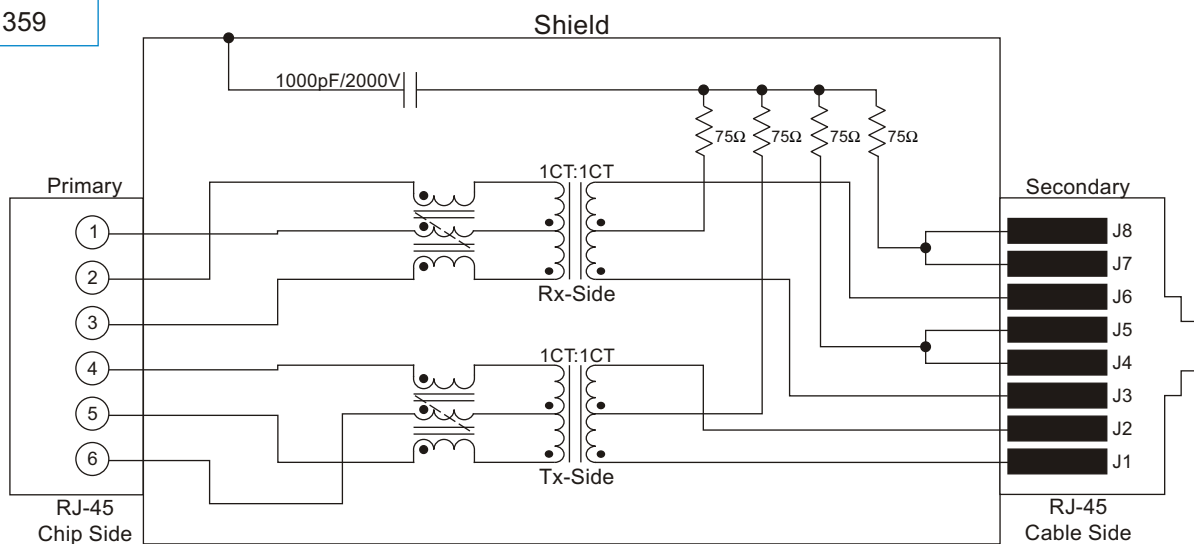
1. For different electrical and mechanical specifications, please contact E&E Magnetic Products Limited.
2. Contact EEMPL for RoHS compliant versions availability.
3. Core location are counted from PCB (Chip) side to Cable (Media) side, where:
"T" = Isolation transformer ; "C" = Common-mode choke ; "A" = Auto-transformer
4. LEDs (Left / Right) : "—" = None.
5. Schematic H34L and H359 are suitable for Auto MDI/MDIX applications.
6. Panel tabs are optional.
7. 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.

SCHEMATICS

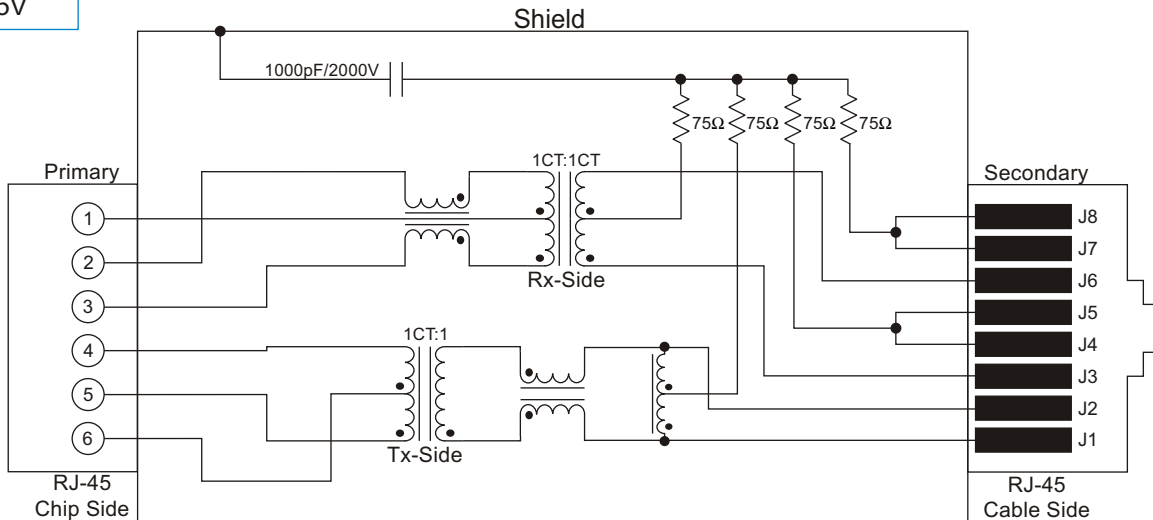
H34L



H359

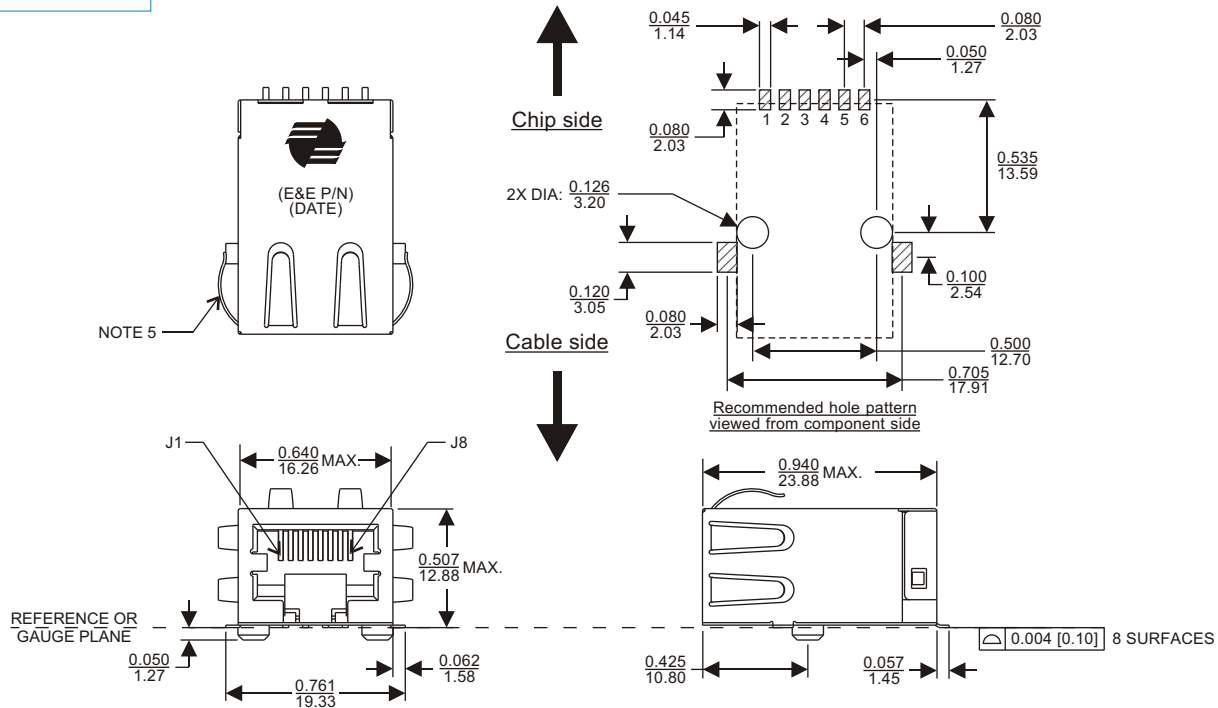


H35V



MECHANICAL DIMENSIONS

MJ11S-01A



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

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

MATERIALS

Housing	Consist of thermoset & thermoplastic materials, all of them are UL 94-V0 rated.
Contact Pins ⁷	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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