

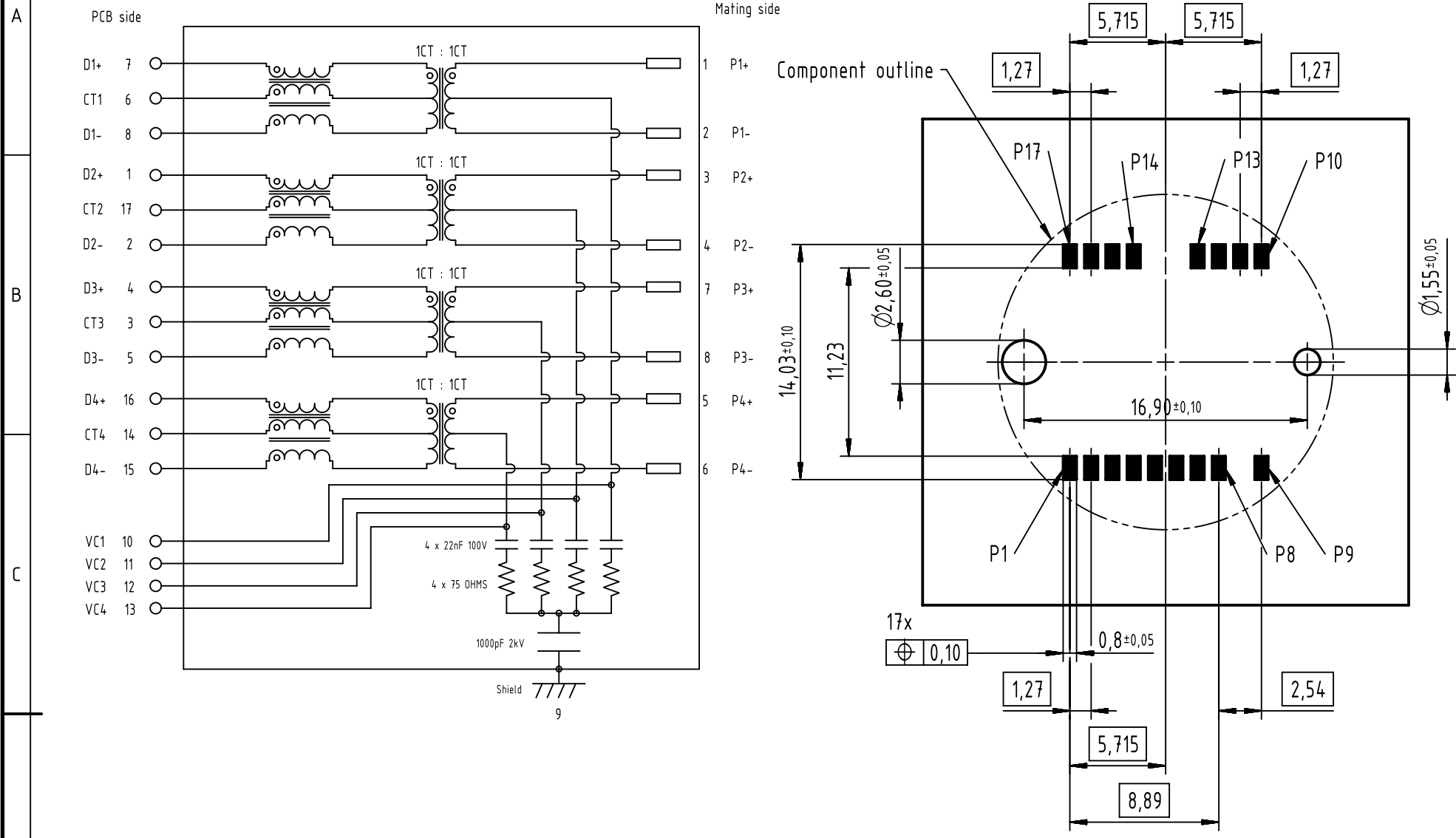
Schematic

Recommended PCB layout

Electrical Characteristics @+25°C unless otherwise noted
Meets IEEE802.3 specification
RoHS compliant

Parameter	Specification/ Limit Values
Operating Temperature	-40°C - +85°C
Turn Ratio (+/- 2%)	1CT : 1CT
Current Capacity Pins 1-8/ VC1-VC4	750mA DC
OCL	min 350µH @ 100KHz , 100mV with 8mA bias current
Isolation (Input- Output)	2.25kV VDC , for 60sec. min
	f ≤ 100MHz
Insertion Loss	1.3 db
Return Loss	9 db
Crosstalk	30 db
CMRR	30 db
CDMR	30 db

NOTE: 1. f is the frequency in MHz
2. The Product has been tested for DC isolation. HARTING assumes no liability or obligation for AC isolation testing.



		All Dimensions in mm Original Size DIN A3		Scale 1:1		Free size tol.		Ref. Sub.					
		All rights reserved Department EL PD		Created by CHENSK		Inspected by CHENSK		Standardisation HOFFMANN		Date 2019-05-30		State Final Release	
HARTING Electronics GmbH D-32339 Espelkamp				Title M12 WITH MAGNETICS X-CODED STRAIGHT POE+ 1GB								Doc-Key / ECM-Nr. 100693027/UGD/004/B 500000152702	
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