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- ,2018.



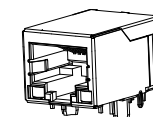
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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	NEW RELEASE	26NOV2018	GCM	JDB

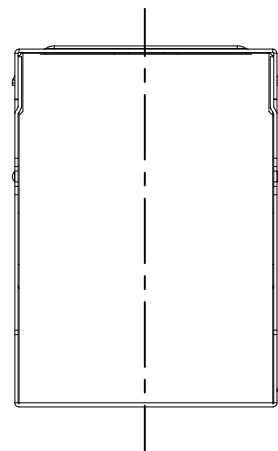
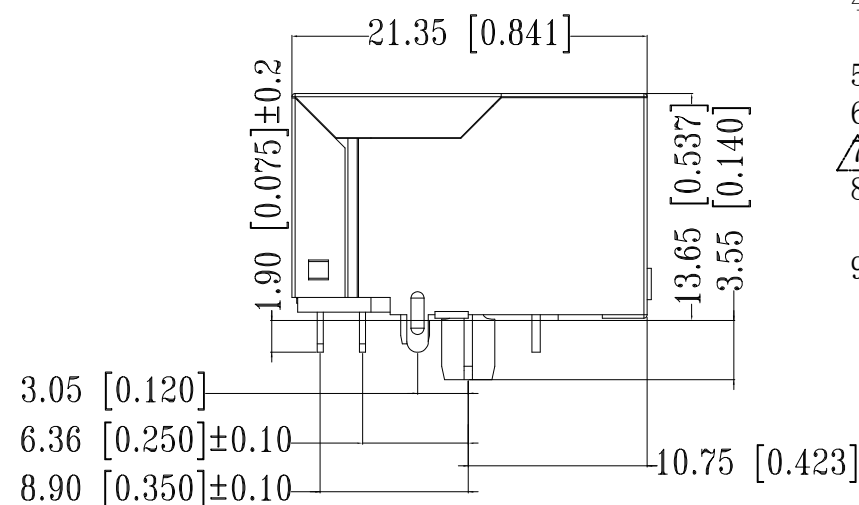
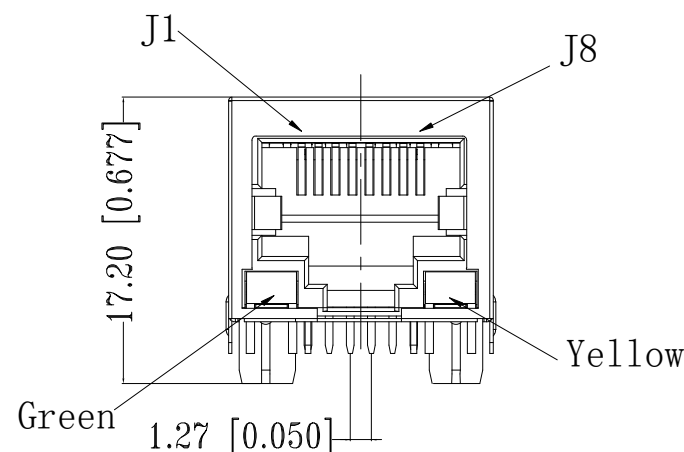
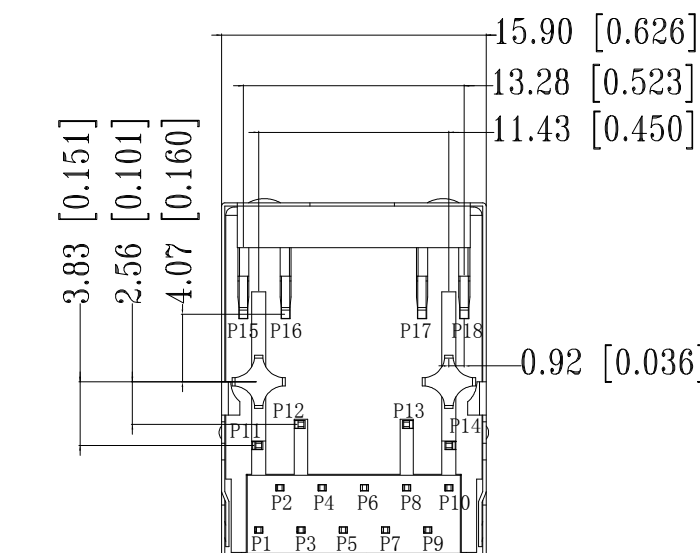
- ⚠ CONNECTOR MATERIAL:
HOUSING: LCP BLACK UL94 V-0
INSERT: LCP BLACK UL94 V-0
SHIELD: BRASS
SHIELD PLATING: NICKEL
CONTACT: COPPER ALLOY
CONTACT PLATING: SELECTIVE GOLD, MIN. 0.76µm (30µinch) IN CONTACT AREA
OVER MIN. 1.27µm (50µinch) NICKEL
SOLDER PIN PLATING: 3.05µm (120µinch) TIN OVER 1.27µm (50µinch) NICKEL
OVER ALL
SHIELDING PIN PLATING: NICKEL
- 2 PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL CIRCUIT
DIAGRAM FOR OMITTED PINS
- 3 RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68
- 4 THE PART IS RECOMMENDED FOR REFLOW SOLDERING PROCESS PEAK
SOLDERING: TEMPERATURE MAX. +260° C, MAX. 10s
- 5 OPERATING TEMPERATURE: T= -40° C TO +85° C
- 6 STORAGE TEMPERATURE: T= -40° C TO +85° C
- ⚠ UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES
- 8 JACK CONFIGURATION: 1 x 1
TAB DIRECTION: DOWN
- 9 PACKAGING: REEL (T+R) ACCORDING TO PACKAGING SPECIFICATION 107-18116



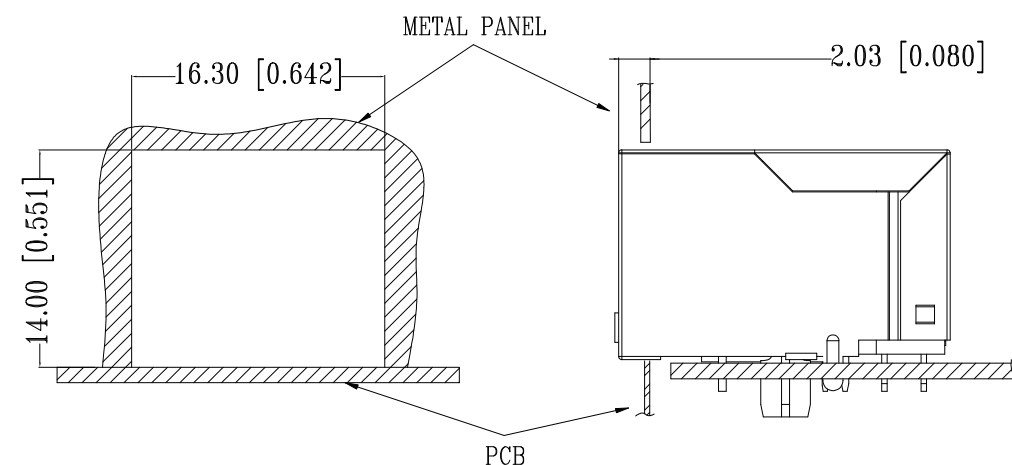
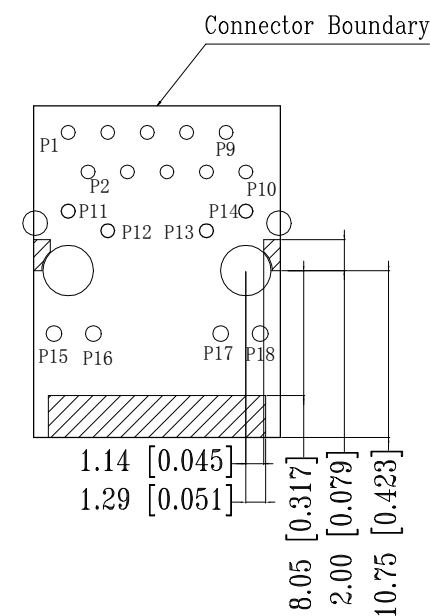
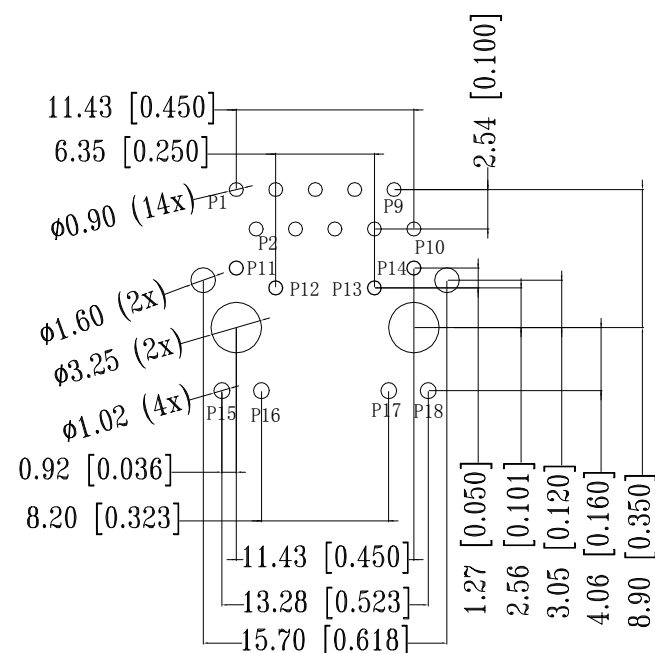
1:1

TABLE OF TOLERANCE (mm)	
RANGE	TOLERANCE
0-10	±0.15
>10-40	±0.25
>40-70	±0.30
>70	±0.40

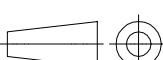
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 26NOV2018	TE Connectivity		
		CHK O. WIBORG 26NOV2018			
		APVD J. DE BRUIJN 26NOV2018	NAME RJ45 JACK MAG. POE 1Gb LED 1x1		
DIMENSIONS: mm [INCHES]		PRODUCT SPEC 108-94694			
		APPLICATION SPEC 114-94556			
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-2337992-8
		CUSTOMER DRAWING	SCALE 3:1	SHEET 1 of 3	REV A



P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

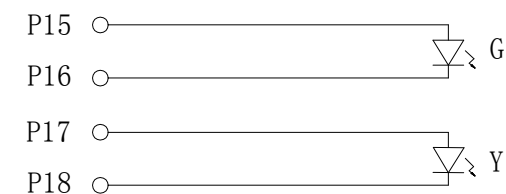
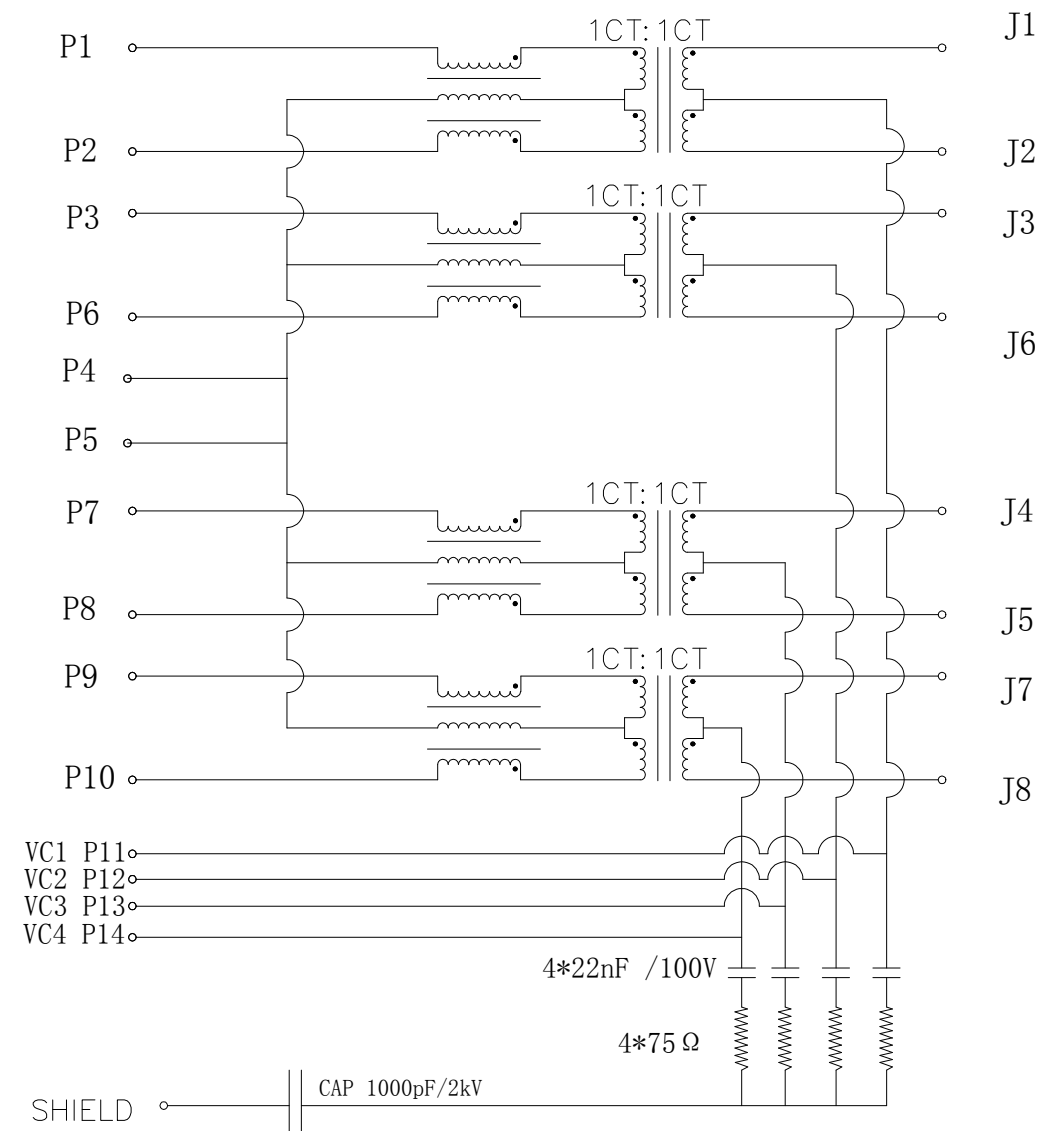


UNIT: mm / inch
TOLERANCES: ± 0.10 / 0.004

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DIMENSIONS: mm [INCHES]		CHK O. WIBORG 26NOV2018						
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. DE BRUIJN 26NOV2018		NAME RJ45 JACK MAG. POE 1Gb LED 1x1 — —			
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —		PRODUCT SPEC 108-94694					
	MATERIAL		APPLICATION SPEC 114-94556					
FINISH		WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
				A3	00779	C-2337992-8	—	
CUSTOMER DRAWING						SCALE	SHEET	REV
						3:1	2 of 3	A

P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

ELECTRICAL CIRCUIT DIAGRAM



Pin	Green		Yellow
P15	+	P17	+
P16	—	P18	—

- 1.0 Turn Ratio @100kHz: (P1~P2):(J1~J2) = 1:1±2%
(P3~P6):(J3~J6) = 1:1±2%
(P7~P8):(J4~J5) = 1:1±2%
(P9~P10):(J7~J8) = 1:1±2%
- 2.0 Primary Inductance: 350μH MIN. @100kHz,0.1V 8mA DC BIAS
120μH MIN. @100kHz,0.1V 18mA DC BIAS
- 3.0 DC Resistance: 1.2 OHMS MAX.
- 4.0 Insertion Loss: 1-100MHz -1.0dB MAX.
100-125MHz -1.2dB MAX.
- 5.0 Return Loss: 1-40MHz -16dB MIN.
40-60MHz -12dB MIN.
60-80MHz -10dB MIN.
80-100MHz -8dB MIN.
- 6.0 CROSS TALK: 1-100MHz -27.1dB MIN.
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN.
- 8.0 Isolation: PHY Side to Line Side: 2250VDC
- 9.0 DC CURRENT/VOLTAGE RATING-PSE PINS: 720mA MAX. @57VDC (CONTINUOUS)



FCC

CONTROL CODE

DATE CODE
"0213"

- YY-YEAR

— WW-WEEK

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DIMENSIONS: mm [INCHES]		CHK O. WIBORG 26NOV2018																			
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		0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± — 																			
MATERIAL		FINISH		APPLICATION SPEC 114-94556		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO									
				WEIGHT		A3		00779		C-2337992-8		—									
CUSTOMER DRAWING										SCALE		3:1		SHEET		3 OF 3		REV		A	

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