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- ,2018.

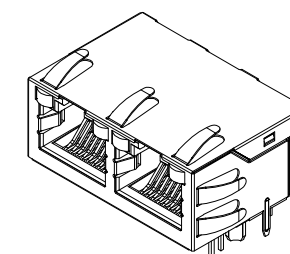
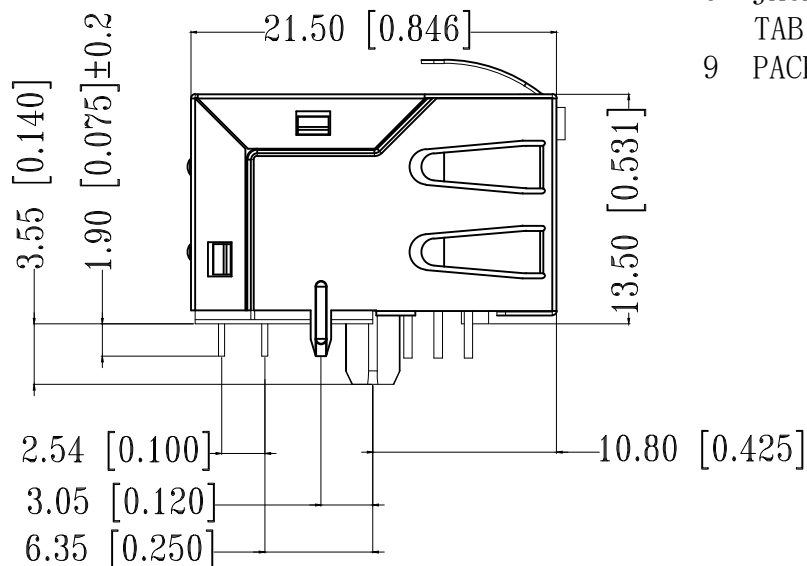
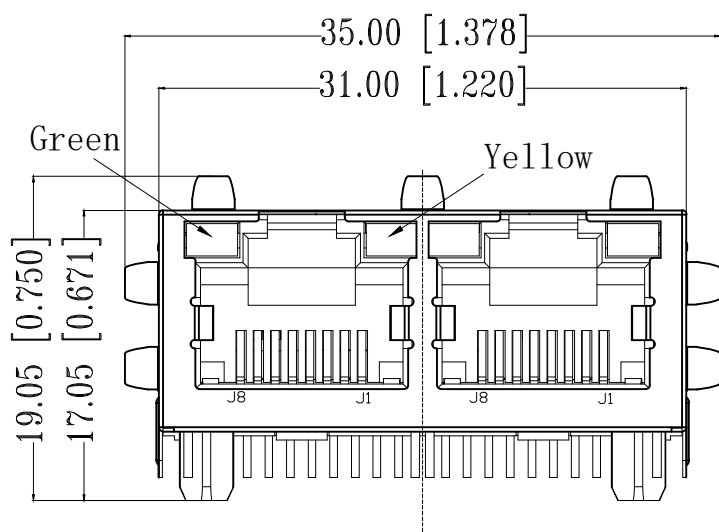
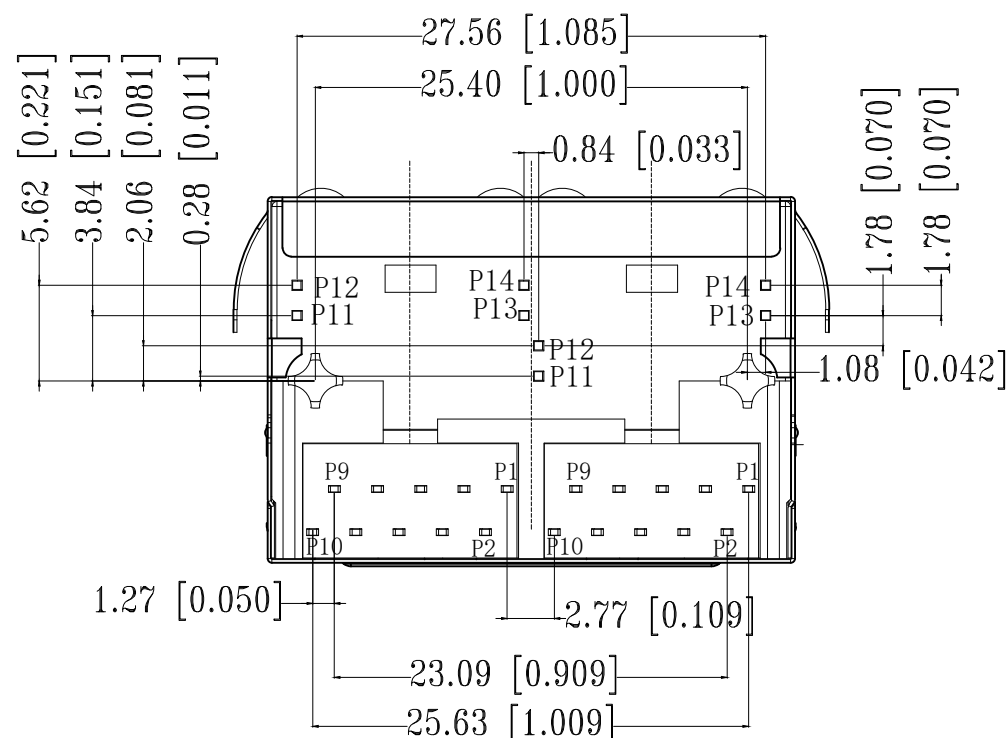


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REVISIONS

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



1:1



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



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 (30 µinch) IN CONTACT AREA
OVER MIN. 1.27µm (50µinch) NICKELSOLDER 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

7 UNLESS OTHERWISE SPECIFIED, SEE TABLE FOR ALL DIMENSIONS TOLERANCES

8 JACK CONFIGURATION: 1 x 2

TAB DIRECTION: UP

9 PACKAGING: TRAY ACCORDING TO PACKAGING SPECIFICATION 107-18116

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH
MATERIAL	

DWN	GANESH C M	26NOV2018
CHK	O. WIBORG	26NOV2018
APVD	J. DE BRUIJN	26NOV2018
PRODUCT SPEC	108-94694	
APPLICATION SPEC	114-94556	
WEIGHT		



TE Connectivity

NAME
RJ45 JACK MAG. POE 10/100 LED 1x2 INV

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-5-2337994-3	-

CUSTOMER DRAWING

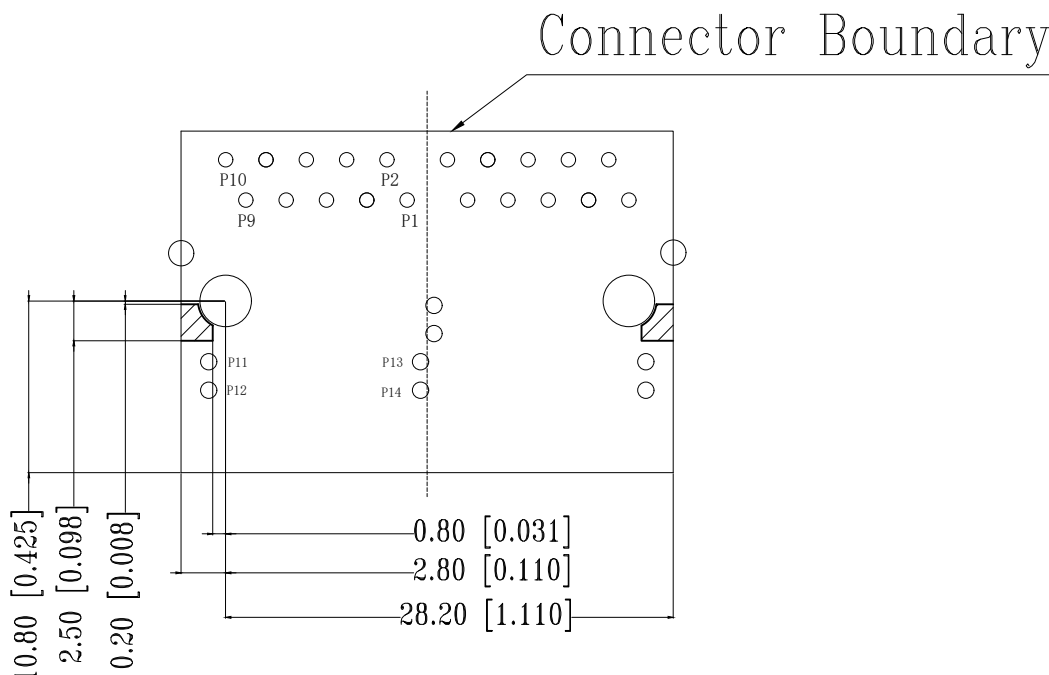
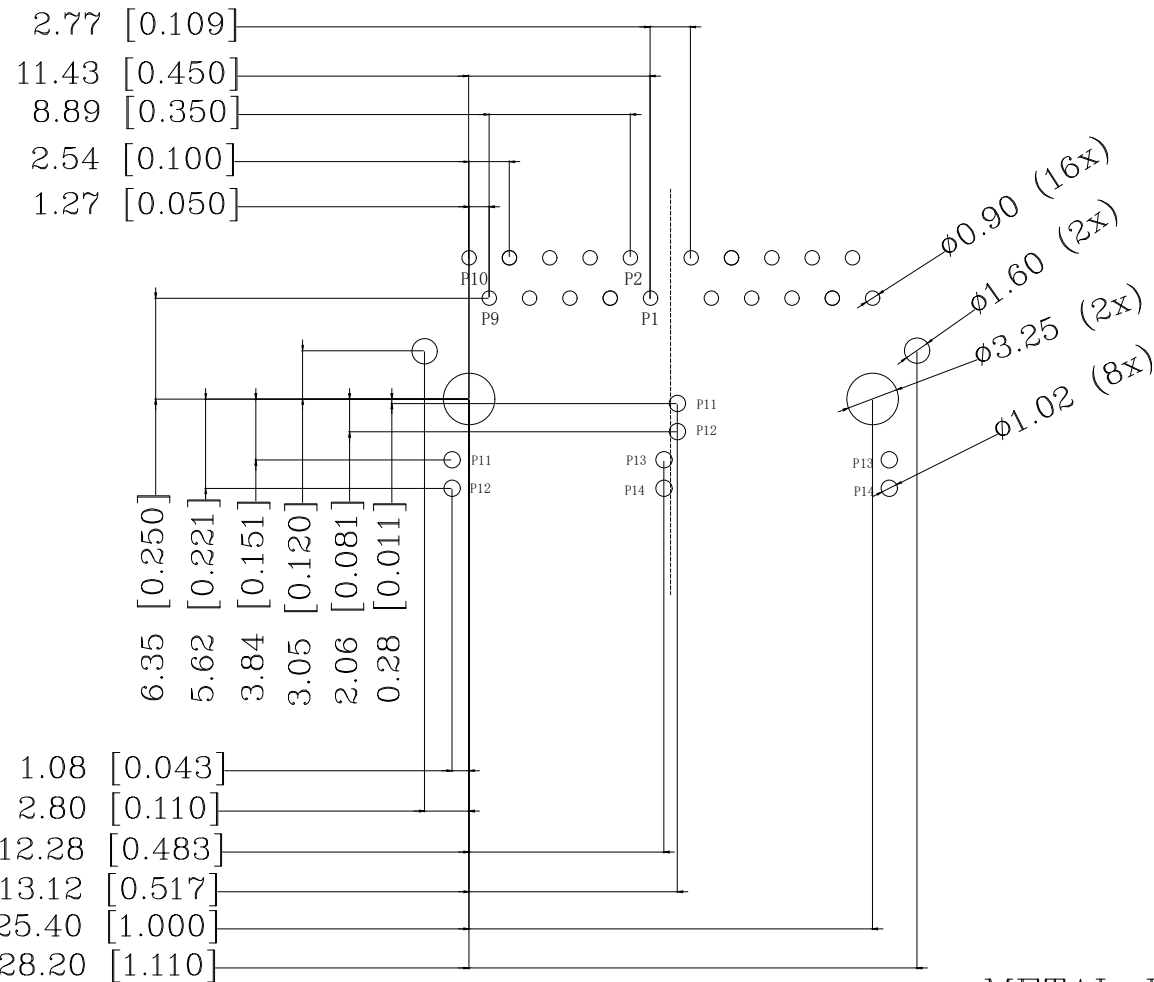
SCALE 3:1

SHEET 1 OF 3

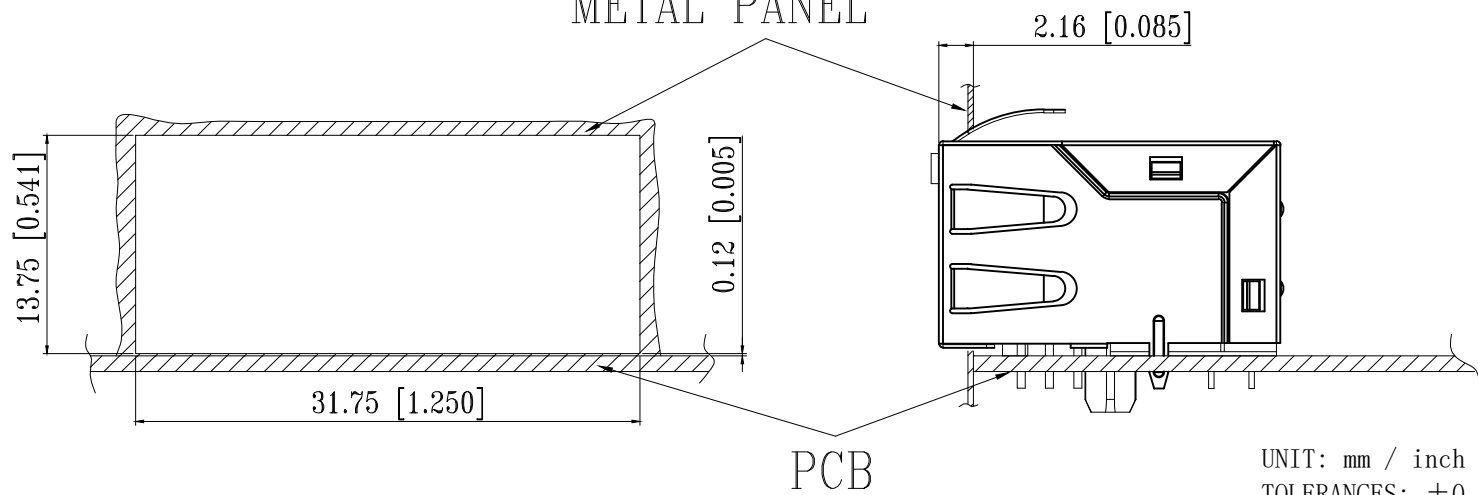
REV A

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

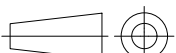
SUGGESTED PCB LAYOUT



METAL PANEL

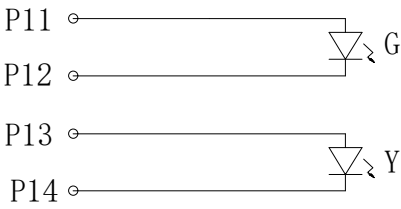
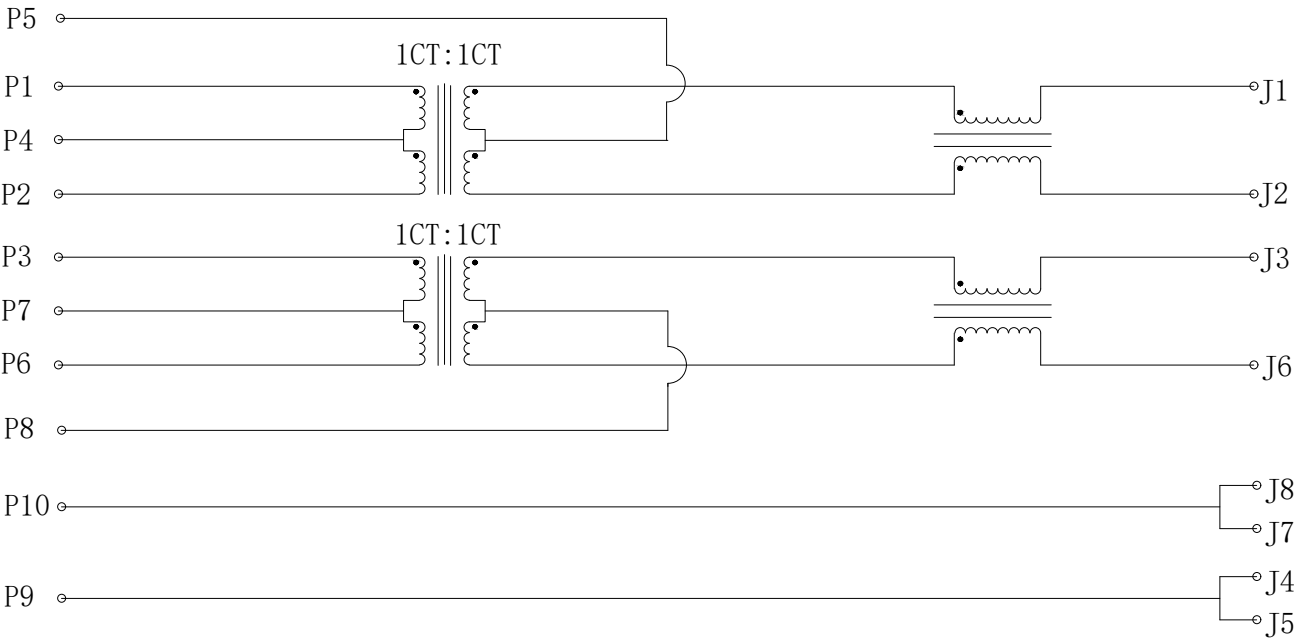


UNIT: mm / inch
TOLERANCES: ±0.10 / 0.004

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 26NOV2018		TE Connectivity		
		CHK O. WIBORG 26NOV2018				
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RJ45 JACK MAG. POE 10/100 LED 1x2 INV		
		0 PLC ± - 				
		1 PLC ± -				
		2 PLC ± -				
3 PLC ± -		APVD J. DE BRUIJN 26NOV2018		SIZE A3		
4 PLC ± -		PRODUCT SPEC				
ANGLES ± -		108-94694				
MATERIAL 		FINISH 		DRAWING NO C-5-2337994-3		
				RESTRICTED TO —		
				00779		
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				C-5-2337994-3		

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

ELECTRICAL CIRCUIT DIAGRAM



Pin	Green	Pin	Yellow
P11	+	P13	+
P12	—	P14	—

- 1.0 Turn Ratio @100kHz: (P1~P2):(J1~J2) = 1:1±2%
(P3~P6):(J3~J6) = 1:1±2%
- 2.0 Primary Inductance: 350µH MIN. @100kHz,0.1V 8mA DC BIAS
- 3.0 DC Resistance: 1.2 OHMS MAX.
- 4.0 Insertion Loss: 1–100MHz –1.2dB MAX.
- 5.0 Return Loss: 1–30MHz –16dB MIN.
30–60MHz –12dB MIN.
60–80MHz –10dB 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: 500VAC
- 9.0 DC CURRENT/VOLTAGE RATING–PSE PINS: 720mA @57V(CONTINUOUS)

5-2337994-3
WWYY-xxxx

CONTROL CODE

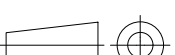
DATE CODE
"0213"

YY-YEAR

WW-WEEK

TE

FCC

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DIMENSIONS: mm [INCHES]		CHK O. WIBORG 26NOV2018									
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± – 3 PLC ± – 4 PLC ± – ANGLES ± – 	APVD J. DE BRUIJN 26NOV2018		NAME RJ45 JACK MAG. POE 10/100 LED 1x2 INV							
		PRODUCT SPEC 108–94694									
		APPLICATION SPEC 114–94556									
MATERIAL 	FINISH 	WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO				
				A3	00779	C-5-2337994-3	—				
CUSTOMER DRAWING						SCALE	3:1	SHEET	3 OF 3	REV	A