

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
C	REVISE DRAWING ERROR	APR30/21	L.CHAN
D	ADD NOTES FOR TYPE C	JUN10/22	KELVIN.T

NOTES:

1. RJ45:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC
FLAMMABILITY RATING UL 94V-0, COLOR: BLACK

CONTACTS: PHOSPHOR BRONZE,
PLATING: SELECTIVE GOLD PLATING ON THE
MATING AREA, (SEE PART NO. FOR THICKNESS)
10µ" [2.54 MICRONS] MIN MATTE TIN ON THE TAILS,
50µ" [1.27 MICRONS] MIN. NICKEL UNDERPLATE

SHIELD: STAINLESS STEEL WITH TIN FINISHED PCB TAILS.

RJ45 PORT CAPABLE OF SUPPORTING 1000BASE-T or 2.5G BASE-T.
CATEGORY 5e PERFORMANCE:

FREQUENCY MHZ	NEAR-END CROSS TALK dB, MIN.	RETURN LOSS dB , MIN.	INSERTION LOSS dB, MAX.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

2. TYPE C

HOUSING: HIGH TEMPERATURE THERMOPLASTIC
FLAMMABILITY RATING UL 94V-0, COLOR: BLACK

CONTACTS: PHOSPHOR BRONZE
PLATING: 30µ" [0.76 MICRONS] MIN. GOLD OVER
50µ" [1.27 MICRONS] MIN. NICKEL ON THE MATING
AREA WITH MATTE TIN OVER NICKEL ON THE TAILS.

SHIELD: STAINLESS STEEL, 50µ" [1.27 MICRONS] MIN. NICKEL
OVERALL .

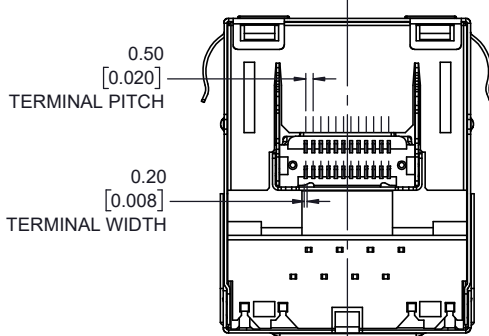
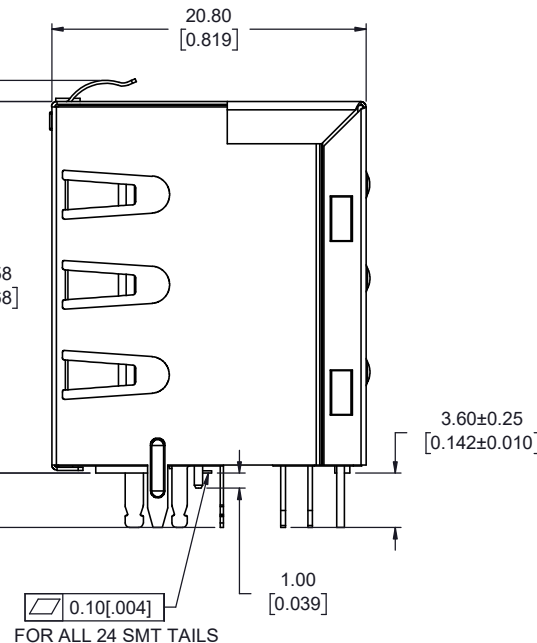
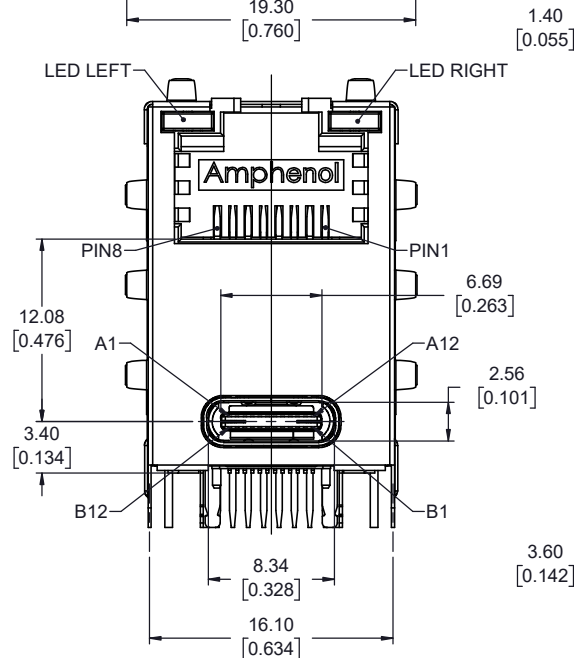
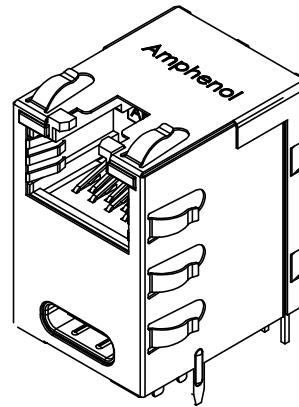
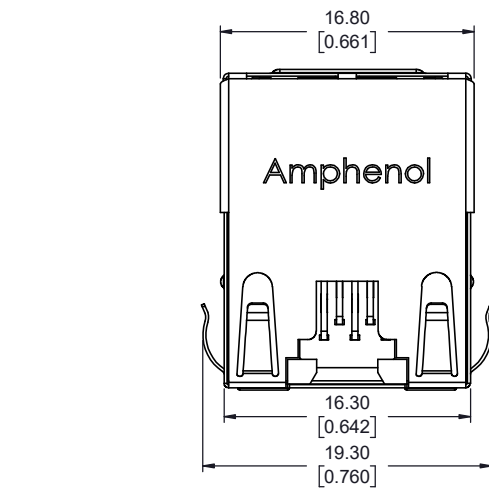
THE TYPE C MEET THE PERFORMANCE OF TYP C 3.1 GEN2

AMPHENOL PART NUMBER: RJE4E-188-1XX1

GOLD PLATING OPTION

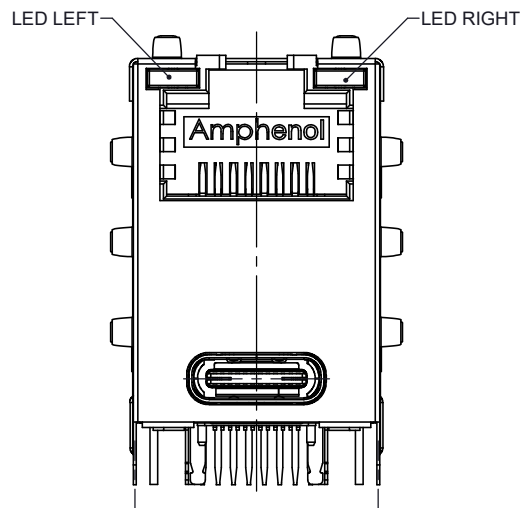
1= 6µ" GOLD PLATING
2=15µ" GOLD PLATING
3=30µ" GOLD PLATING
4=50µ" GOLD PLATING

REFER TO LED OPTIONS
DRAWING FOR ORDERING
CODES



UNLESS SPECIFIED OTHERWISE		DRAWN	JACK.GUO	JUL11/18	Amphenol Canada Corp. Commercial Products	
PRIMARY UNITS MILLIMETERS		CHECKED	L.CHAN	JUL11/18		
SECONDARY INCHES		M.E. APP'D				
REFERENCE IN PARENTHESES		Q.A. APP'D				
GENERAL TOLERANCES		DWG APPR.			RJ45(CAT5e) OVER USB TYPE C MODULAR, JACK, 8P8C, SHIELDED WITH TOP AND SIDE TABS, WITH LED, SUITABLE FOR REFLOW PROCESS, ESD TRAY PACKAGE - RoHS COMPLIANT	
1 DECIMAL PLACE ±0.38		ENG. REL. NO.				
2 DECIMAL PLACES ±0.25		REF.	EAR#RJ18136			
3 DECIMAL PLACES ±0.13		THIRD ANGLE PROJECTION				
ANGULAR DEGREES ±1.0°					P-RJE4E-188-1XX1	
					CODE ID NO. 03554	REV D
					DWG SIZE: X	1 OF 4
					SCALE: 5:1	
					SHEET	

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TYPICAL FOR SINGLE & MULTI-PORT

SINGLE COLOR LED	(ANODE)+  -(CATHODE)
BI-COLOR LED	(ANODE)+  -(CATHODE)

EXAMPLE:

PART NUMBER RJE4E-188-14X1

LED COLOR CODE

CODE	LED2 (LEFT)	LED1 (RIGHT)	CODE	LED2 (LEFT)	LED1 (RIGHT)	CODE	LED2 (LEFT)	LED1 (RIGHT)
0	BLOCKED	BLOCKED	9	GREEN	BLOCKED	J	BIC RD/GR	YELLOW
1	YELLOW	GREEN	A	BIC GR/YE	BIC GR/YE	K	YELLOW	BIC GR/OR
2	BLOCKED	GREEN	B	BIC RD/GR	BIC RD/GR	L	BIC GR/YE	RED
3	YELLOW	BLOCKED	C	BIC RD/GR	BIC GR/YE	M	RED	YELLOW
4	GREEN	YELLOW	D	GREEN	BIC GR/YE	N	BIC GR/RD	BIC GR/YE
5	GREEN	GREEN	E	YELLOW	BIC GR/YE	P	GREEN	BIC RD/GR
6	YELLOW	YELLOW	F	BIC GR/YE	YELLOW	R	BIC GR/OR	GREEN
7	RED	GREEN	G	BIC GR/OR	BIC GR/OR	T	RED	RED
8	GREEN	RED	H	BIC GR/YE	GREEN	V	BIC RD/GR	GREEN
						W	ADDITIONAL OPTION	

LED SPECIFICATIONS:
FORWARD VOLTAGE: 2.1 VOLTS TYP.
REVERSE VOLTAGE: 5.0 VOLTS MIN.
LUMINOUS INTENSITY:
7 mcd MIN. (AT If=20mA) TYP.
OPERATING TEMPERATURE: -55° TO 85° C
LEAD SOLDERING TEMPERATURE: 260° C
(10 SEC, 1/16" FROM CASE)
PLATING ON TAILS: TIN OR TIN/COPPER
ALLOY OVER SILVER

PRIMARY COLOR FOR BI-COLOR
LEDS IN STANDARD ANODE/
CATHODE CONFIGURATION IS:
RED-GREEN= RED
RED-YELLOW= RED
GREEN-YELLOW= GREEN
GREEN-ORANGE= GREEN

LEGEND

BiC=BI-COLOR LED

LOWC=LOW CURRENT LED

YE=YELLOW

GR=GREEN

RD=RED

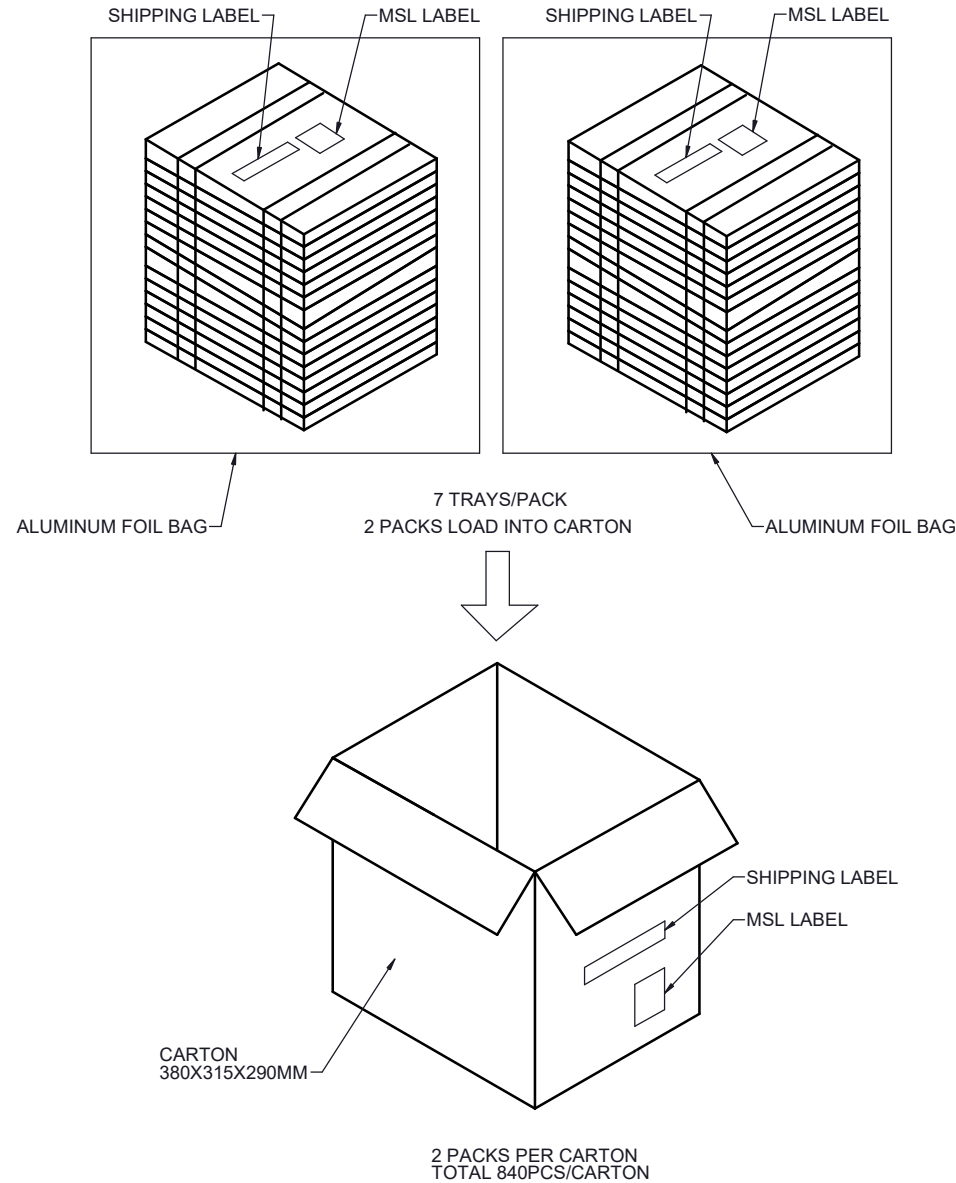
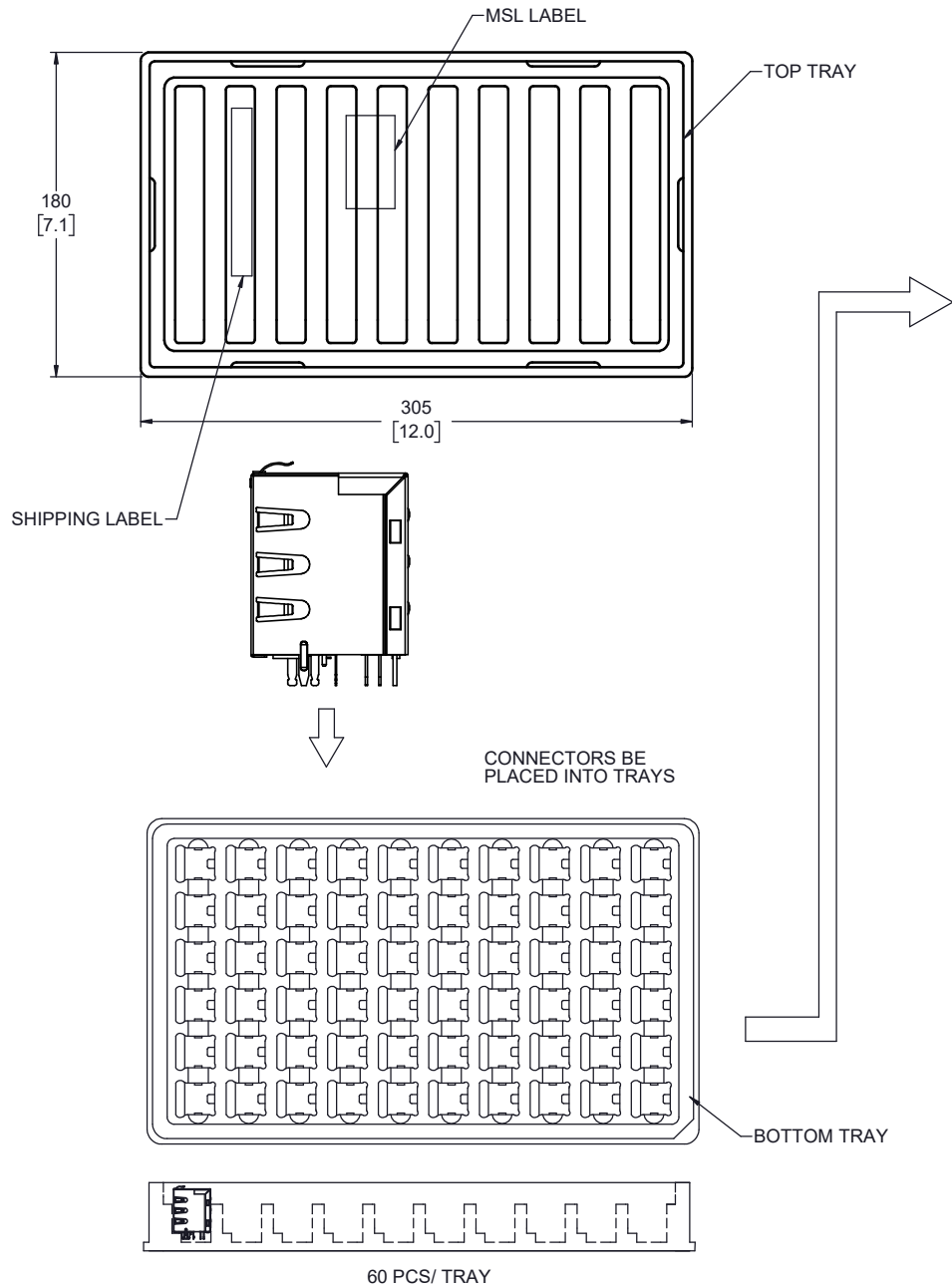
OR=ORANGE

NOTE:
THE TWO DIGITS PRECEDING THE
ADDITIONAL LED CODE MUST BE
USED IN THE PART NUMBER, WHEN
ORDERING ANY OF THE ADDITIONAL
LED OPTIONS.



UNLESS SPECIFIED OTHERWISE		DRAWN	JACK.GUO	JUL11/18	Amphenol Canada Corp. Commercial Products RJ45(CAT5e) OVER USB TYPE C MODULAR, JACK, 8P8C, SHIELDED WITH TOP AND SIDE TABS, WITH LED, SUITABLE FOR REFLOW PROCESS, ESD TRAY PACKAGE - RoHS COMPLIANT		
PRIMARY UNITS	MILLIMETERS	CHECKED	L.CHAN	JUL11/18			
SECONDARY	INCHES	M.E. APP'D					
REFERENCE IN PARENTHESES		O.A. APP'D					
GENERAL TOLERANCES		DWG APPR.			DWG. NO.		
1 DECIMAL PLACE	±0.38	ENG. REL. NO.			P-RJE4E-188-1XX1		
2 DECIMAL PLACES	±0.25	REF.	EAR#RJ18136				
3 DECIMAL PLACES	±0.13	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING	CODE ID NO. 03554 DWG SIZE: X SCALE: 5:1 SHEET 3 OF 4		
ANGULAR DEGREES	±1.0°						

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- NOTES:**
- PACKAGING QUANTITY:
- 60 PCS / TRAY
 - 7 TRAYS / PACK [420 PCS /PACK]
 - 2 PACKS / CARTON [14 TRAYS / CARTON]
 - 840 PCS / CARTON
 - THE PACKAGING IS MSL 2a COMPATIBLE.



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PRIMARY UNITS MILLIMETERS		CHECKED	L.CHAN	JUL11/18
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REFERENCE IN PARENTHESES		Q.A. APP'D		
GENERAL TOLERANCES		DWG APPR.		
1 DECIMAL PLACE	±0.38	ENG. REL. NO.		
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3 DECIMAL PLACES	±0.13	THIRD ANGLE PROJECTION		
ANGULAR DEGREES	±1.0°			

Amphenol Canada Corp. Commercial Products			
RJ45(CAT5e) OVER USB TYPE C MODULAR, JACK, 8P8C, SHIELDED WITH TOP AND SIDE TABS, WITH LED, SUITABLE FOR REFLOW PROCESS, ESD TRAY PACKAGE - RoHS COMPLIANT			
P-RJE4E-188-1XX1			REV D
CODE ID NO. 03554	DWG SIZE: X	SCALE: 5:1	SHEET 4 OF 4