

RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)

RECOMMENDED PANEL CUTOUT

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

NOTES:

ELECTRICAL:

- VOLTAGE RATING : 125 VAC.
- CURRENT RATING : 1.25 AMP.
- INSULATING RESISTANCE : 500 MEGAOHMS MINIMUM.
- DIELECTRIC STRENGTH : 1000 VAC 60Hz, 1MIN.
- CATEGORY 6 CHARACTERISTIC:

FREQUENCY	NEAR-END CROSSTALK	RETURN LOSS	INSERTION LOSS
MHz	dB, MIN.	dB, MIN.	dB, MAX.
1.0	75.0	30.0	0.1
4.0	75.0	30.0	0.1
8.0	75.0	30.0	0.1
10.0	74.0	30.0	0.1
16.0	69.9	30.0	0.1
20.0	68.0	30.0	0.1
25.0	66.0	30.0	0.1
31.25	64.1	30.0	0.11
62.5	58.1	28.1	0.16
100.0	54.0	24.0	0.20
200.0	48.0	18.0	0.28
250.0	46.0	16.0	0.32

MECHANICAL:

- HOUSING : HIGH TEMP THERMOPLASTIC. UL 94V-0.
- INSERT : HIGH TEMP THERMOPLASTIC UL 94V-0.
- CONTACT : PHOSPHOR BRONZE.
SELECTIVE GOLD PLATING ON MATING SURFACE,
SEE AMPHENOL PART NUMBER FOR DETAIL.
50u" MIN. NICKEL UNDERPLATE
100u" MIN. MATTE TIN PLATING ON CONTACT SOLDER TAIL.

ENVIRONMENTAL:

- STORAGE : -40° TO +85°.
 - OPERATION : -40° TO +85°.
- MATES WITH MODULAR PLUG CONFORMING TO TIA 1096.
RECOMMENDED SOLDER PROCESS:
WAVE SOLDER, PEAK TEMPERATURE 260° FOR 5 SECOND MAXIMUM.
REFLOW SOLDER, PEAK TEMPERATURE 260° FOR 5~8 SECOND.

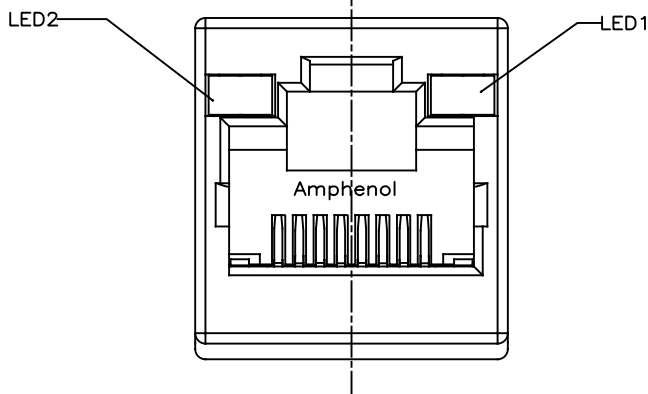
AMPHENOL PART NUMBER: RJE451880XX1

GOLD PLATING — LED OPTION ON
1 = GOLD FLASH NEXT PAGE
2 = 15u"
3 = 30u"
4 = 50u"

UNLESS SPECIFIED OTHERWISE	DRAWN Kelvin T	NOV3/14
PRIMARY UNITS MILLIMETERS	CHECKED	
SECONDARY INCHES	M.E. APP'D	
REFERENCE IN PARENTHESES	Q.A. APP'D	
1 DECIMAL PLACE	DWG APP'D L.CHAN	NOV3/14
2 DECIMAL PLACES ±0.38	ENG. REL. NO.	
3 DECIMAL PLACES	REF.	
ANGULAR DEGREES	THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING

Amphenol Canada Corp. www.amphenolcanada.com	
VERTICAL MODULAR JACK SINGLE PORTS, 8 POSITION, 8 CONTACTS, REFLOW LED, NON-SHIELDED, CAT.6 TRAY PACKAGING -RoHS COMPLIANT	
DWG NO.	P-RJE45-188-0XX1
CODE ID NO. 03945	DWG SIZE: C
SCALE: FIT	SHEET 1 OF 3

REV B



TYPICAL FOR SINGLE & MULTI-PORT

+ — (ANODE) + — (CATHODE)



LED SPECIFICATIONS:

FORWARD VOLTAGE: 2.1 VOLTS TYP.

REVERSE VOLTAGE: 5.0 VOLTS MIN.

LUMINOUS INTENSITY: 0.5 mCd MIN.

(AT If=2mA)

STORAGE TEMPERATURE: -40° TO 85° C

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

EXAMPLE:

PART NUMBER R J E 4 5 1 8 8 0 X X 1

LED COLOR CODE

CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (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

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.

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ANGULAR DEGREES	THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING

Amphenol Canada Corp.

www.amphenolcanada.com

VERTICAL MODULAR JACK
SINGLE PORTS, 8 POSITION, 8 CONTACTS,
REFLOW LED, NON-SHIELDED, CAT.6
TRAY PACKAGING -RoHS COMPLIANT

DWG NO.

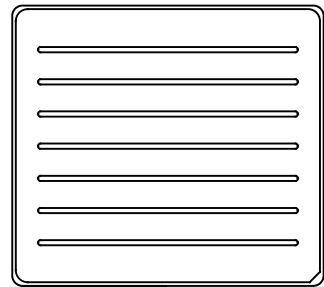
P-RJE45-188-0XX1

REV

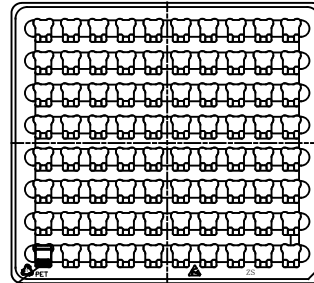
B

CODE ID NO. 03945 DWG SIZE: C SCALE: FIT SHEET 2 OF 3

REVIEWS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	NEW PROPOSAL	NOV3/14	L.CHAN
B	FIX LED SCHEMATIC OF PAGE1	JUN2/15	L.CHAN



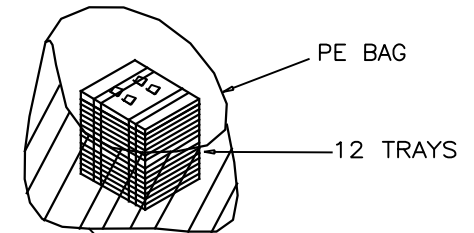
TOP TRAY



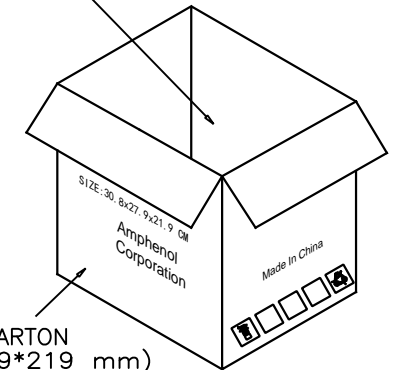
BOTTOM TRAY



CONNECTORS



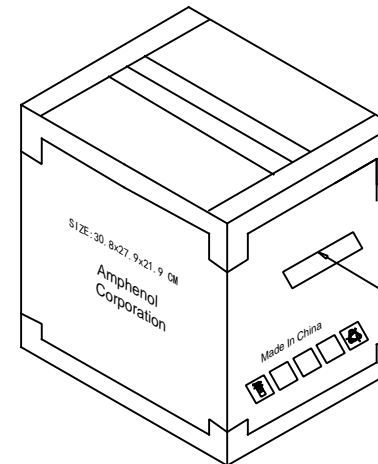
12 TRAYS



CARTON
(308*279*219 mm)

NOTES:

1. FINISHED CONNECTORS (AFTER FINAL INSPECTION) TO BE PACKED INTO CONDUCTIVE HIPS TRAYS, 80 CONNECTORS PER TRAY.
2. TOTAL 12 TRAYS LOADED WITH CONNECTORS TO BE PACKED INTO PE BAG, MUST SEAL PE BAG.
3. TRAYS & CARTONS MATERIAL MUST BE ABLE TO WITHSTAND IMPACT DURING PRODUCT TRANSPORTATION TO PREVENT ANY DAMAGE TO FINISHED CONNECTORS.
4. EACH TRAY AND CARTON OF PARTS TO BE LABELLED WITH AMPHENOL CANADA PART NUMBER, DATE CODE, QUANTITY, COUNTRY OF ORIGIN, AND CSA/UL LOGO WHEN APPROVED.



AMPHENOL P/N: RJE451880XX1		Q' TY: 960
LOT#	DATE CODE	CTY OF ORIGIN: CN

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ANGULAR DEGREES		THIRD ANGLE PROJECTION			
		DO NOT SCALE DRAWING		REV B	