NOTES:

ELECTRICAL:
1. 60 VDC WITH MAXIMUM POWER 100 W
2. CURRENT RATING: 1.25 AMPS PER CONTACT.
3. INSULATING RESISTANCE : 500 MEGAOHMS MINIMUN.
4. DIELECTRIC STRENGTH : 1000 VAC 60Hz, 1MIN.
5. CATEGORY 6 CHARACTERISTIC

FREQUENCY MHZ	NEAR-END CROSSTALK dB,MIN.	RETURN LOSS dB , MIN.	INSERTION LOSS 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
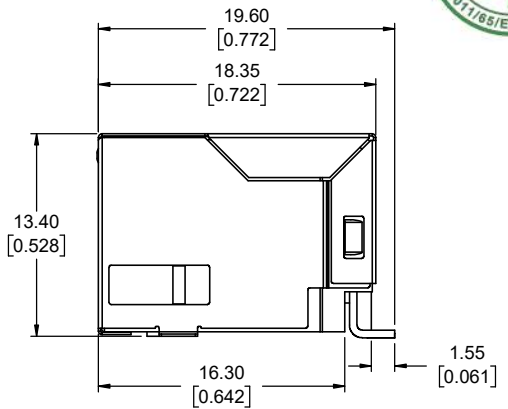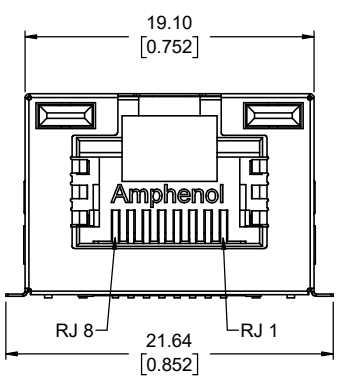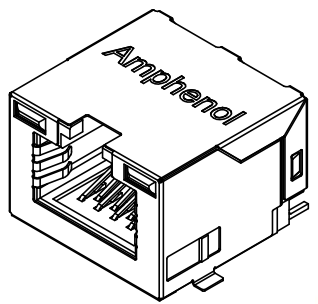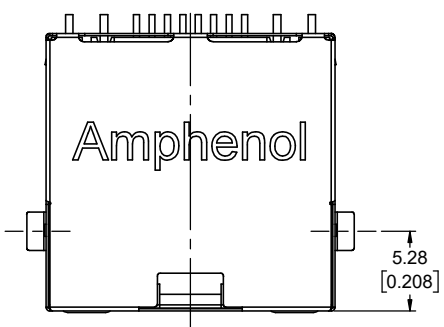
MECHANICAL:
1. SHIELD: STAINLESS STEEL WITH 100u" MATTE TIN OVER 20u" MIN.
   NICKEL UNDERPLATE
2. HOUSING: HIGH TEMP THERMOPLASTIC. UL 94V-0.
3. CONTACT: PHOSPHOR BRONZE.
   SELECTIVE GOLD PLATING FOR MATING SURFACE,
   50u" MIN. NICKEL UNDERPLATE
   100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL.
4. COPLANARITY:
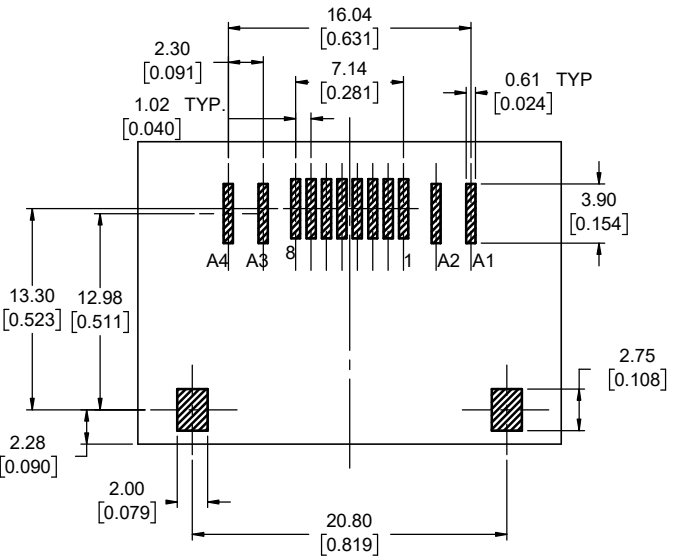   THE MAXIMUM GAP BETWEEN ALL TERMINAL TAILS IS 0.10 [0.004]

ENVIRONMENTAL:
1. OPERATION:-55 °C TO +85°C
2.MATES WITH MODULAR PLUG CONFORMING TO TIA 1096 STANDARD.
3.RECOMMENDED SOLDER PROCESS:
   REFLOW SOLDER,PEAR TEMPERATURE 260°C FOR 10 SECONDS MAX.
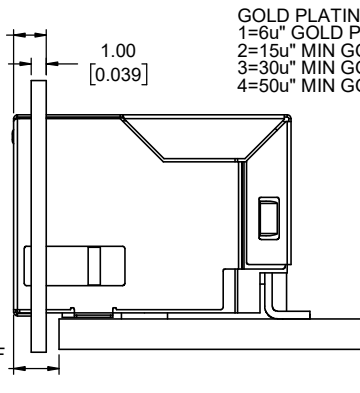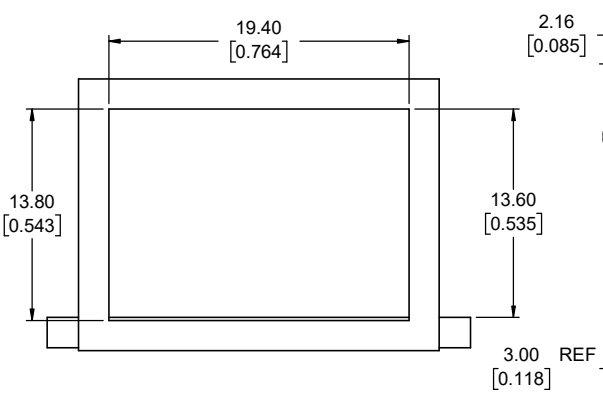
RJ CONNECTOR CONFORMS TIA-1096 STANDARD

AMPHENOL PART NUMBER DESCRIPTION: RJE3B-188-6XX1

GOLD PLATING OPTION
1=6u" GOLD PLATING
2=15u" MIN GOLD PLATING
3=30u" MIN GOLD PLATING
4=50u" MIN GOLD PLATING

LED COLOR CODE
SEE PAGE 2

5.28 [0.208]

19.10 [0.752]

RJ 8   RJ 1

21.64 [0.852]

19.60 [0.772]

18.35 [0.722]

13.40 [0.528]

16.30 [0.642]

1.55 [0.061]

16.04 [0.631]

2.30 [0.091]

7.14 [0.281]

1.02 TYP. [0.040]

0.61 TYP [0.024]

3.90 [0.154]

A4 A3 8   1 A2 A1

13.30 [0.523]

12.98 [0.511]

2.75 [0.108]

2.28 [0.090]

2.00 [0.079]

20.80 [0.819]

RECOMMENDED PCB LAYTOUT
VIEW FROM COMPONENT SIDE
TOLERANCE: +/-0.05[0.002]

19.40 [0.764]

13.80 [0.543]

13.60 [0.535]

2.16 [0.085]

1.00 [0.039]

3.00 REF [0.118]

UNLESS SPECIFIED OTHERWISE

PRIMARY UNITS MILLIMETERS
SECONDARY INCHES
REFERENCE IN PARENTHESES
GENERAL TOLERANCES
1 DECIMAL PLACE
2 DECIMAL PLACES ±0.25
3 DECIMAL PLACES ±0.13
ANGULAR DEGREES ±1°

DRAWN JAMISON.C AUG22/22
CHECKED L.CHAN AUG22/22
M.E. APP'D
Q.A. APP'D
DWG APPR.
ENG. REL. NO.
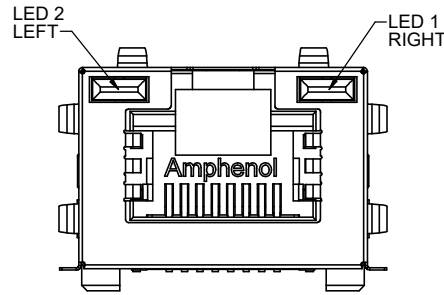REF.

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

Amphenol Canada Corp.
Commercial Products

MODULAR JACK, SINGLE PORT, 8P8C,
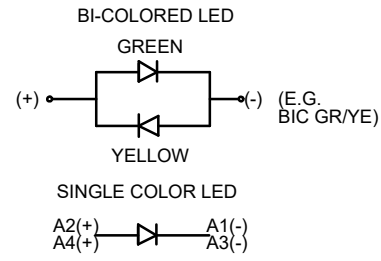SHIELDED WITHOUT TABS, TAB UP,
WITH LED,CAT 6, RoHS COMPLIANT

DWG. NO. P-RJE3B-188-6XX1   REV A

CODE ID NO. 03554 DWG SIZE: N/A SCALE: FIT SHEET 1 OF 3

RoHS COMPLIANT 2011/65/EU RECAST

AMPHENOL CANADA CORP.

LED 2 LEFT

LED 1 RIGHT

Amphenol

LED SCHEMATIC

BI-COLORED LED

GREEN

(+) ○———————○ (-) (E.G. BIC GR/YE)

YELLOW

SINGLE COLOR LED

A2(+) ———▷|——— A1(-)
A4(+) ———▷|——— A3(-)

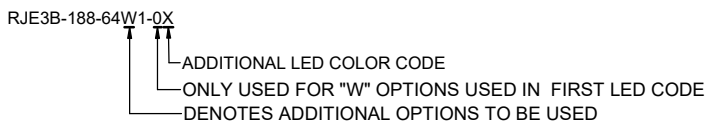| CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)
0	BLOCKED	BLOCKED	9	GREEN	BLOCKED	J	BiC RD/GR	YELLOW
1	YELLOW	GREEN	A	BiC GR/YE	BiC GR/YE	K	YELLOW	BiC GR/OR
2	BLOCKED	GREEN	B	BiC RD/GR	BiC RD/GR	L	BiC GR/YE	RED
3	YELLOW	BLOCKED	C	BiC RD/GR	BiC GR/YE	M	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 GR/RD
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 OPTIONS	

LED SPECIFICATIONS:
FORWARD VOLTAGE: 1.6 VOLTS TYP.
REVERSE VOLTAGE: 5.0 VOLTS MAX.
LUMINOUS INTENSITY: 0.4 mCd MIN.
　　　　(AT IF=2mA)
PLATING ON TAILS: TIN OR TIN/COPPER ALLOY OVER SILVER

LEGEND
BiC=BI-COLOR LED
LOWC=LOW CURRENT LED
YE=YELLOW
GR=GREEN
RE=RED
OR=ORANGE

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

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

EXAMPLE OF ADDITIONAL LED OPTIONS:

RJE3B-188-64W1-0X

├ ADDITIONAL LED COLOR CODE
├ ONLY USED FOR "W" OPTIONS USED IN FIRST LED CODE
└ DENOTES ADDITIONAL OPTIONS TO BE USED

CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)
0	DO NOT USE		5	BLOCKED	YELLOW	A	LOWC YE	LOWC YE
1	RED	BLOCKED	6	RED	BiC RD/GR	B	LOWC YE	LOWC GR
2	BiC GR/OR	YELLOW	7	BLOCKED	BiC RD/GR	C	LOWC GR	LOWC YE
3	YELLOW	RED	8	BiC RD/GR	BLOCKED	D	LOWC GR	LOWC GR
4	BLOCKED	RED	9	BiC GR/YE	BLOCKED	M	LOWC RD	LOWC YE
						E	GREEN	ORANGE
						F	ORANGE	GREEN
						G	BiC OR/GR	BiC OR/GR
						H	BiC GR/OR	ORANGE

RoHS COMPLIANT
AMPHENOL CANADA CORP.
2011/65/EU RECAST

UNLESS SPECIFIED OTHERWISE	DRAWN	JAMISON.C	AUG22/22
PRIMARY UNITS MILLIMETERS	CHECKED	L.CHAN	AUG22/22
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.		
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.25	REF.		
3 DECIMAL PLACES ±0.13			
ANGULAR DEGREES ±1°			

Amphenol Canada Corp.
Commercial Products

MODULAR JACK, SINGLE PORT, 8P8C,
SHIELDED WITHOUT TABS, TAB UP,
WITH LED, CAT 6, RoHS COMPLIANT

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

DWG. NO. P-RJE3B-188-6XX1 REV A

CODE ID NO. 03554 | DWG SIZE: N/A | SCALE: FIT | SHEET 2 OF 3

Ø1.5

5 REELS

ALUMINIUM FOIL BAGS
ONE BAG PER REEL

DIRECTION OF CONNECTOR
LOADED INTO PICK & PLACE
MACHINE

ϕ100

ϕ330

AMPHENOL P/N: RJE3B1886XX1

LOT#   DATE CODE   CTY OF ORIGIN: CN

SEAL CARTON

CARTON
(335*335*285mm)

RoHS COMPLIANT
AMPHENOL CANADA CORP
2011/65/EU RECAST

NOTES:

1. FINISHED CONNECTORS (AFTER FINAL INSPECTION) TO BE PACKED INTO CONDUCTIVE
   HIPS TAPE AND REEL. ONE REEL SHOULD HOLD 125 CONNECTORS.

2. 13 EMPTY POCKETS SEALED OF TAPE LEADER AND 6 EMPTY POCKETS SEALED OF TAPE TRAILER.

3. A FULLY LOADED CARTON SHOULD CONTAIN 5 REELS (625 PCS) OF CONNECTOR.

UNLESS SPECIFIED OTHERWISE	DRAWN	JAMISON.C	AUG22/22	**Amphenol Canada Corp.**
PRIMARY UNITS MILLIMETERS	CHECKED	L.CHAN	AUG22/22	Commercial Products
SECONDARY INCHES	M.E. APP'D			
REFERENCE IN PARENTHESES	Q.A. APP'D			MODULAR JACK, SINGLE PORT, 8P8C,
GENERAL TOLERANCES	DWG APPR.			SHIELDED WITHOUT TABS, TAB UP,
1 DECIMAL PLACE	ENG. REL. NO.			WITH LED, CAT 6, RoHS COMPLIANT
2 DECIMAL PLACES ±0.25	REF.			DWG. NO.
3 DECIMAL PLACES ±0.13	THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING	P-RJE3B-188-6XX1
ANGULAR DEGREES ±1°				CODE ID NO. 03554	DWG SIZE: N/A	SCALE: FIT	SHEET 3 OF 3

REV A