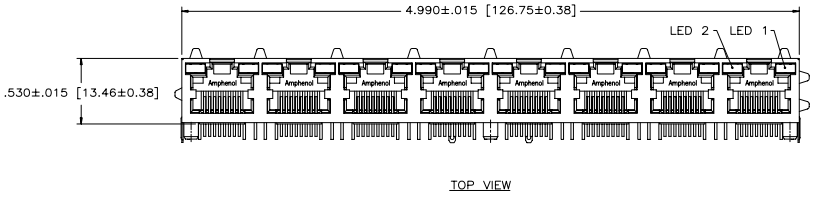
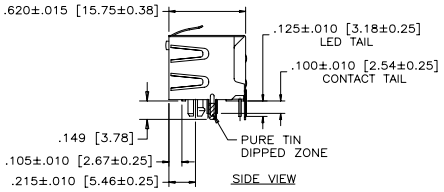
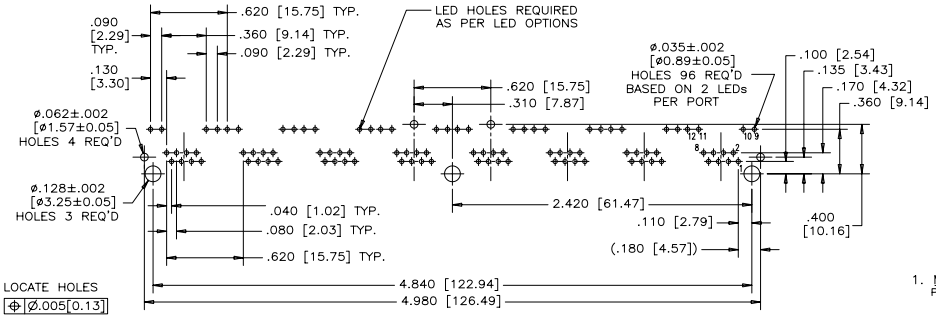
REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
B		PROPOSAL	2005/12/29	LCHAN



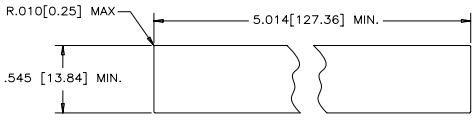
TOP VIEW



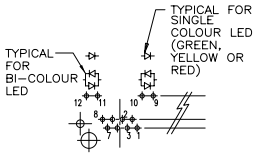
SIDE VIEW



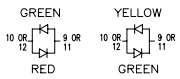
RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)



RECOMMENDED PANEL CUTOUT



LED SCHEMATIC



BI-COLOUR LED DETAIL
(RED/YELLOW AND GREEN/ORANGE
LED'S ARE ALSO AVAILABLE)

1. MATERIALS:
PLASTIC HOUSING: HIGH TEMPERATURE THERMOPLASTIC
FLAMMABILITY RATING UL 94V-0
CONTACTS: PHOSPHOR BRONZE
PLATING: 50 µ" [1.27 MICRONS]
MIN. GOLD ON MATING SURFACES.
50 µ" [1.27 MICRONS]
MIN. NICKEL UNDERPLATE
100 µ" [2.54 MICRONS]
MIN. MATTE TIN ON CONTACT TAILS.
SHIELD: COPPER ALLOY
PLATING: NICKEL WITH PURE-TIN DIPPED PCB TAILS.

2. MECHANICAL:
MATING FORCE: 5.0 LBS MAX.
MATING CYCLES: 200

3. ELECTRICAL:
CONTACT RESISTANCE: 20 MILLIOHMS MAXIMUM
INSULATION RESISTANCE: 500 MEGOHMS MINIMUM
CURRENT RATING: 1.5 AMPS
VOLTAGE RATING: 125 VOLTS AC

4. ENVIRONMENTAL:
STORAGE TEMPERATURE: -20°C to 85°C
PACKAGING METHOD: TRAY PACKAGING

5. UL FILE NUMBER: E135615

PART NUMBER: RJHSE-538X-08X
REFER TO LED OPTIONS DRAWING
FOR ORDERING CODES

DRAWN	PAULW	DATE 2005/12/29
DESIGNED		
CHECKED	CHIGOW	2005/12/29
I. E. APPRD.		
Q. A. APPRD.		
DWG. APPRD.		
ENG. REL. NO.		
REF.		
DIMENSIONS ARE IN INCHES [mm]	CODE ID. NO.	03554

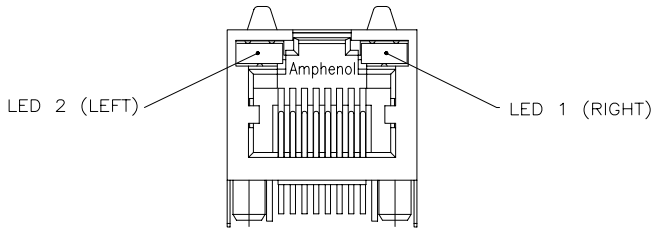
Amphenol Canada Corp.

TITLE
8 PORT HIGH SPEED MODULAR JACK,
8 POSITIONS, 8 CONTACTS, WITH SHIELD
LED OPTIONS - RoHS COMPLIANT

DWG	DRAWING NO.	REV.
	P-RJHSE-538X-08X	B

SCALE | WT. ——— | SURF. ——— | SHEET 1 OF 1

REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
A		PROPOSAL	SEP21/04	



TYPICAL FOR SINGLE & MULTI-PORT

EXAMPLE:
PART NUMBER RJHSE-538X
LED COLOR CODE

+ – (ANODE)+ –(CATHODE)

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	P	GREEN	BiC RD/GR
5	GREEN	GREEN	E	YELLOW	BiC GR/YE	R	BiC GR/OR	GREEN
6	YELLOW	YELLOW	F	BiC GR/YE	YELLOW	T	RED	RED
7	RED	GREEN	G	BiC GR/OR	BiC GR/OR	V	BiC RD/GR	GREEN
8	GREEN	RED	H	BiC GR/YE	GREEN	W	ADDITIONAL OPTIONS	

EXAMPLE OF ADDITIONAL LED OPTIONS:
PART NUMBER RJHSE-538W-01Y
ADDITIONAL LED COLOR CODE
DENOTES ADDITIONAL LED 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

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: -20° TO 85° C
LEAD SOLDERING TEMPERATURE: 260° C (5 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.

DRAWN K. LAMBIE	DATE SEP21/04	Amphenol Canada Corp.
DESIGNED		
CHECKED		TITLE: LED OPTIONS FOR RJHSE, SINGLE OR MULTI-PORT CONNECTORS – RoHS COMPLIANT
I. E. APPRD.		
Q. A. APPRD.		
DWG. APPRD.		DWG DRAWING NO. P-RJHSE-LEDS REV. A
ENG. REL. NO.		
REF. EAR 12481		
DIMENSIONS ARE IN INCHES [mm]	CODE ID. NO. 03554	SCALE WT. SURF. SHEET 1 OF 1