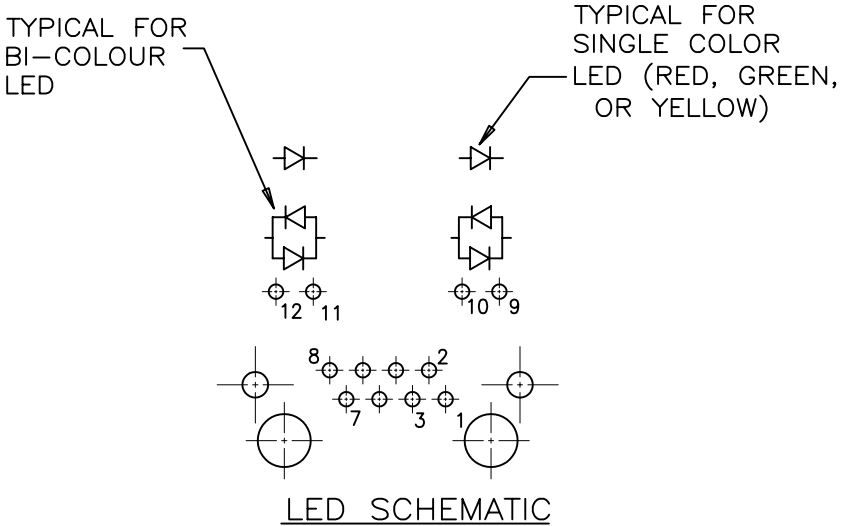
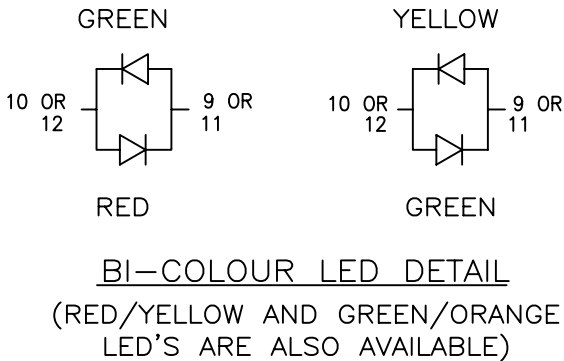


REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
B		PROPOSAL	05/12/29	L.CHAN



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.

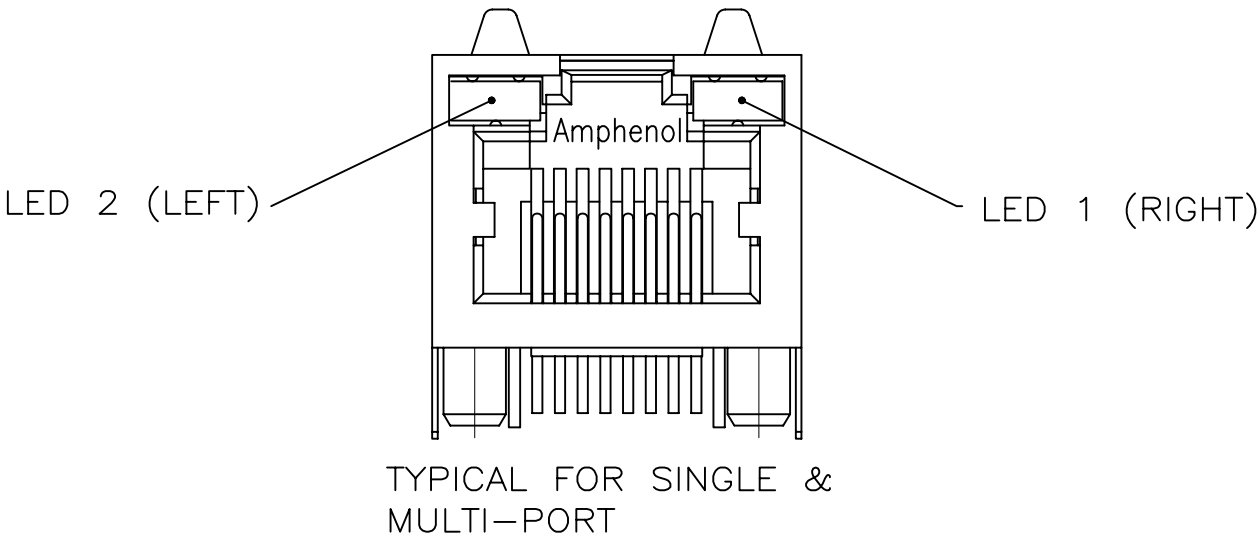
PART NUMBER: RJHSE-538X

REFER TO LED OPTIONS DRAWING FOR ORDERING CODES

DRAWN PAULW	DATE 05/12/29	Amphenol Canada Corp.			
DESIGNED					
CHECKED CHIGOW	05/12/29	TITLE HIGH SPEED, RJ45, MODULAR JACK, 8 POSITION, 8 CONTACTS, SHIELDED, WITH LEDs - RoHS COMPLIANT			
I. E. APPRD.					
Q. A. APPRD.					
DWG. APPRD.					
ENG. REL. NO.		DWG	DRAWING NO.	REV.	
REF.			P-RJHSE-538X	B	
DIMENSIONS ARE IN INCHES [mm]	CODE ID. NO. 03554	SCALE	WT. -----	SURF. -----	SHEET 1 OF 1

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



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

EXAMPLE:
PART NUMBER RJHSE-538X



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	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

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.

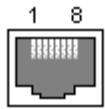
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DRAWN K. LAMBIE	DATE SEP21/04	Amphenol Canada Corp.		
DESIGNED		TITLE LED OPTIONS FOR RJHSE, SINGLE OR MULTI-PORT CONNECTORS - RoHS COMPLIANT		
CHECKED				
I. E. APPRD.				
Q. A. APPRD.				
DWG. APPRD.				
ENG. REL. NO.		DWG	DRAWING NO.	REV.
REF. EAR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

Ethernet 10/100Base-T (RJ-45) connector pinout

network
connector

[bookmark this page](#)


















[8 pin RJ45 \(8P8C\)
female connector](#)

at the network interface
cards/hubs

Ethernet 10base-T / 100base-TX pinout. Widely used in ethernet network devices. Same connector and pinout for both 10Base-T, 100Base-TX and 1000base-T.

Nowdays ethernet is a most common networking standard for LAN (local area network) communication, officially standardized by IEEE standard 802.3. Nowdays ethernet runs at 10Mb, 100Mb or 1Gb per second. It was originally developed by Xerox Corporation in cooperation with DEC and Intel in 1976. Ethernet uses a bus (old coaxial cable) or star topology (standard UTP cable). Most ethernet networks use unshielded twisted pair (UTP) cable. Category 5 (CAT5) cable widely used, but other variations are available. EIA/TIA specifies RJ-45 connectors - properly called 8P8C - (ISO 8877) for UTP (unshielded twisted pair) cable. (RJ45 refers to a set of connectors beyond the 8P8C standard but the former has replaced the latter in common usage).

Pin	Name	Description	EIA/TIA 568A cable colors	EIA/TIA 568B or AT&T 258A cable colors
1	TX+	Transmit Data+	White with green stripe 	White with orange stripe 
2	TX-	Transmit Data-	Green with white stripe or solid green 	Orange with white stripe or solid orange 
3	RX+	Receive Data+	White with orange stripe 	White with green stripe 
4	n/c	Not connected	Blue with white stripe or solid blue 	Blue with white stripe or solid blue 
5	n/c	Not connected	White with blue stripe 	White with blue stripe 
6	RX-	Receive Data-	Orange with white stripe or solid orange 	Green with white stripe or solid 
7	n/c	Not connected	White with brown strip 	White with brown strip 
8	n/c	Not connected	Brown with white stripe or solid brown 	Brown with white stripe or solid brown 