

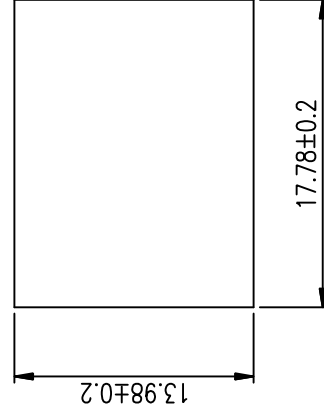
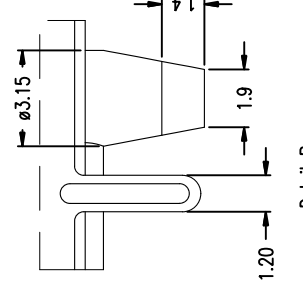
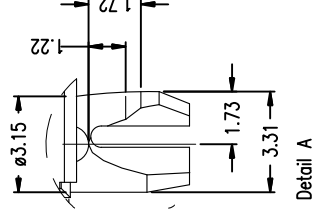
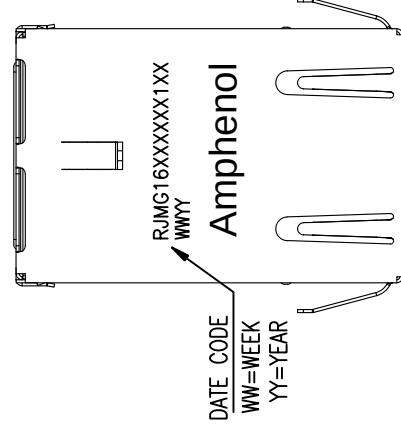
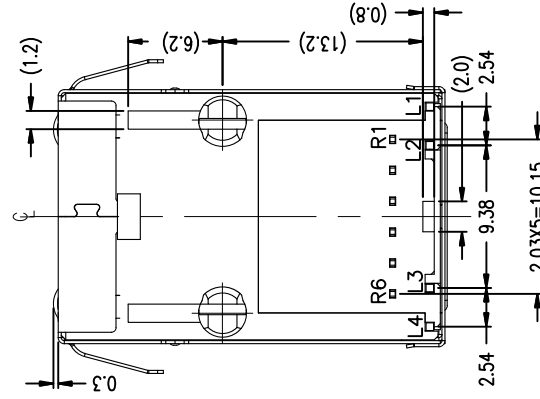
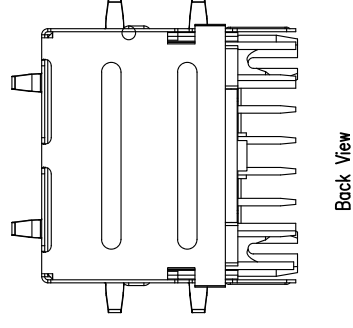
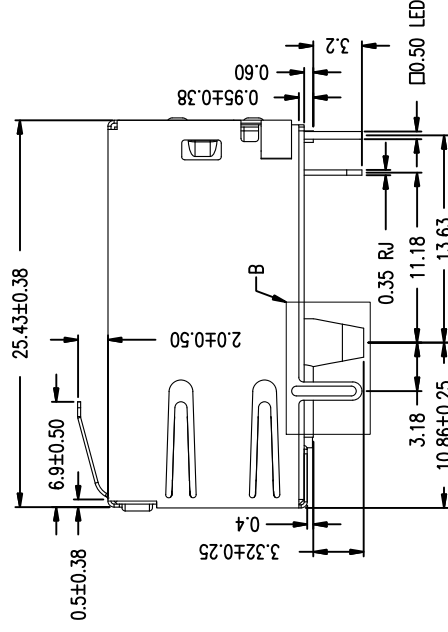
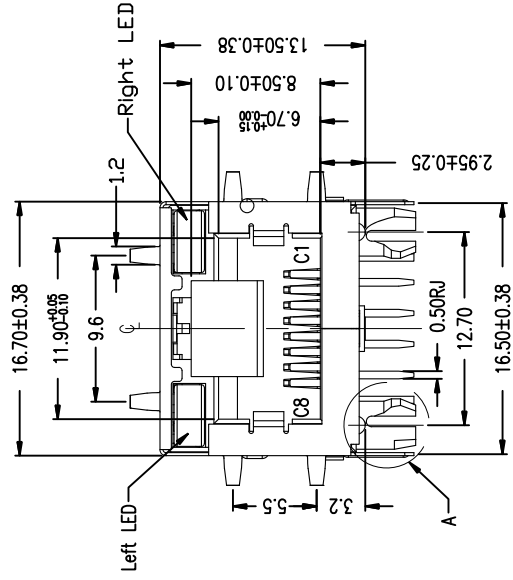


THE DATASHEET OF MG163

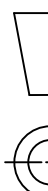
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CUSTOMER DRAWING



RECOMMENDED PANEL CUTOUT

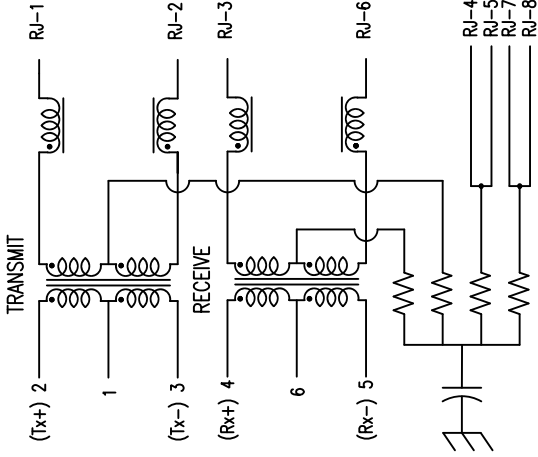
TOLERANCE	APPROVALS	DATE	TITLE
X.	DRAWN Devin Yen CHECKED Vivian Wen APPROVED Roger Tsai	01/29/2015	SINGLE PORT R SHIELD, WITH P 10/100 
X.X		01/29/2015	
X.XX		01/29/2015	
X.XXX		01/29/2015	
ANGULAR ±1°			
UNLESS OTHERWISE SPECIFIED			

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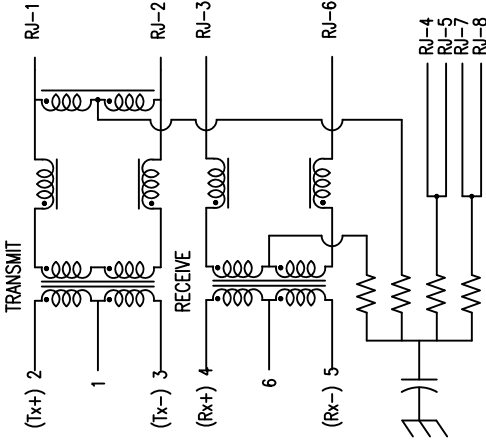
CUSTOMER DRAWING

PIN	SYMBOL
1	Tct
2	Tx+
3	Tx-
4	Rx+
5	Rx-
6	Rct
7	LED1-
8	LED1+
9	LED2-
10	LED2+



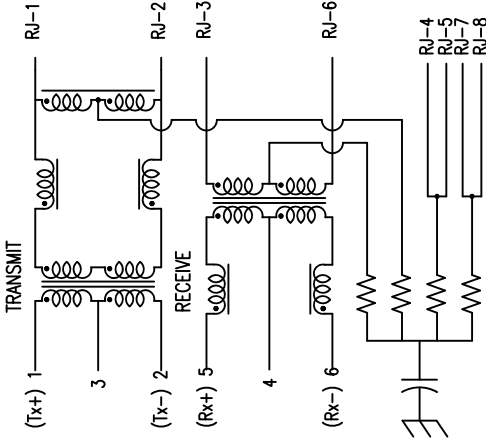
SCHEMATIC (RJMG16XXX3XX1XX)

PIN	SYMBOL
1	Tct
2	Tx+
3	Tx-
4	Rx+
5	Rx-
6	Rct
7	LED1-
8	LED1+
9	LED2-
10	LED2+



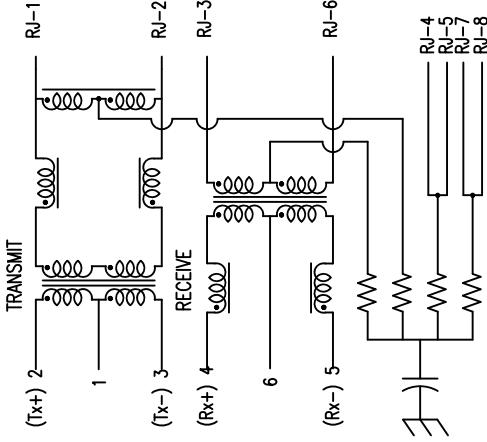
SCHEMATIC (RJMG16XXX7XX1XX)

PIN	SYMBOL
1	Tx+
2	Tx-
3	Tct
4	Rct
5	Rx+
6	Rx-
7	LED1-
8	LED1+
9	LED2-
10	LED2+

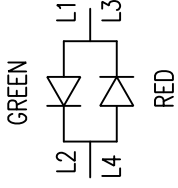


SCHEMATIC (RJMG16XXX9XX1XX)

PIN	SYMBOL
1	Tct
2	Tx+
3	Tx-
4	Rx+
5	Rx-
6	Rct
7	LED1-
8	LED1+
9	LED2-
10	LED2+

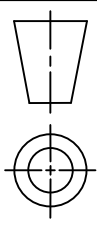


SCHEMATIC (RJMG16XXXBX1XX)



BI-

TOLERANCE	APPROVALS	DATE	TITLE
X. X.X X.XX X.XXX	DRAWN Devin Yen	01/29/2015	SINGLE PORT R
±0.35 ±0.25 ±0.15	CHECKED Vivian Wen	01/29/2015	SHIELD, WITH F
ANGULAR ±1°	APPROVED Roger Tsai	01/29/2015	10/100
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE GT278	



123456

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CUSTOMER DRAWING

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TURN RATIO 1:1±5%

PARAMETER	TYPE	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS (RX/TX)	-0.8dB TYP.	-1.0dB MAX.	1-100 MHz
RETURN LOSS (RX/TX)	-22dB TYP. -18dB TYP. -12dB TYP.	-18dB MIN. -18+20log(f/30)dB MIN. -12dB MIN.	1-30 MHz 30-60 MHz 60-80 MHz
DC RESISTANCE	0.5 ohm MIN.	1.0 ohm MAX full 0.5 ohm MAX half	DC
CM-CM REJECTION	-40dB TYP.	-30dB MIN.	0-100MHz
CM-DM REJECTION	-40dB TYP.	-35dB MIN.	0-100MHz
CROSSTALK (PAIR TO PAIR)	-38dB TYP.	-35dB MIN.	0-100MHz
HIPOT (ISOLATION)	2.25KV/1.5KVrms.	2.25KV/1.5KVrms.	60S DC/AC
OCL	500uH TYP.	350uH MIN.	100KHz 8mV DC BIAS

LED

PARAMETER	GR
FORWARD CURRENT IF MAX	
REVERSE CURRENT IR MAX	
REVERSE VOLTAGE VR MAX	
T OPERATURE TOP	-40
T SOLDERINGTURE TS	260
POWER DISS. Pd	1
PEAK WAVELENTH	
FORWARD VOLTAGE TYP	
FORWARD VOLTAGE MAX	

TOLERANCE	APPROVALS	DATE	TITLE
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DRAWN Devin Yen	01/29/2015	SINGLE PORT R SHIELD, WITH 10/100
	CHECKED Vivian Wen	01/29/2015	
	APPROVED Roger Tsai	01/29/2015	
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE GT278	
UNLESS OTHERWISE SPECIFIED			

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-  [NXP / Nexperia](#) Information

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management