

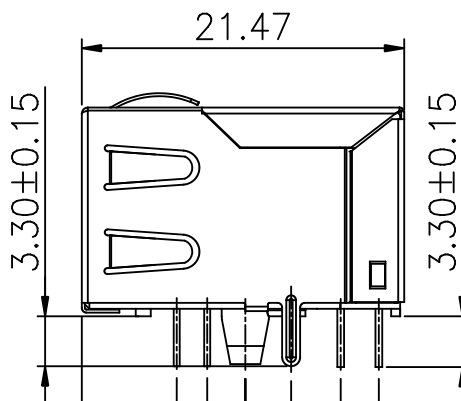
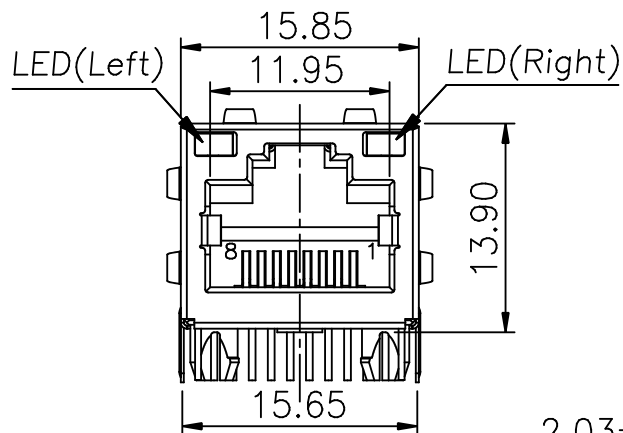
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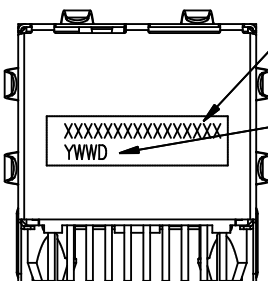
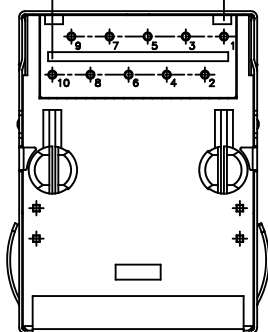
CUSTOMER DRAWING

PRELIMINARY RELEASE
SUBJECT TO CHANGE

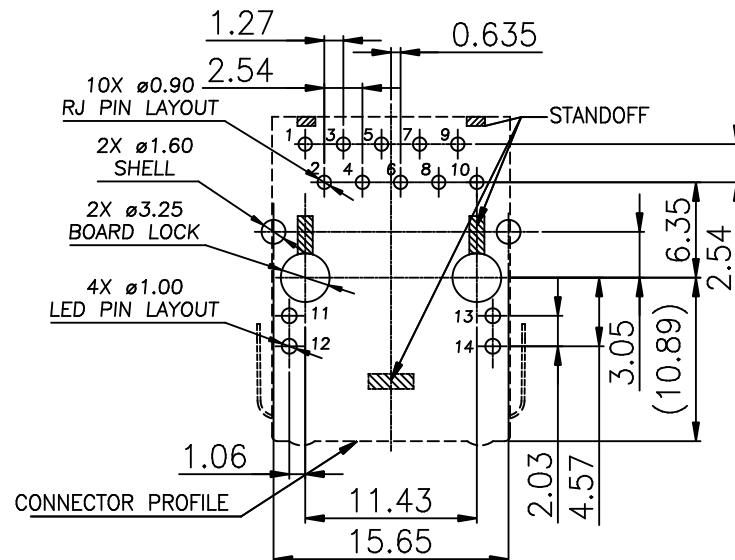
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX1		NEW PROPOSAL DRAWING	11/15/2013	Roger Tsai
AX2		UPDATE DRAWING	06/27/2014	Roger Tsai
AX3		UPDATE THE PIN LENGTH AND D/C	10/13/2017	Lawrence Chan



$$1.27 \times 9 = 11.43 \pm 0.10$$

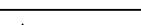


P/N
DATE CODE
Y=YEAR
WW=WEEK
D=DAY



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE ±0.05mm
UNLESS OTHERWISE SPECIFIED



TOLERANCE		APPROVALS		DATE	TITLE			Amphenol®			
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	ANGULAR ±1°	DRAWN	Arvin Ye	10/13/2017	 UNIT mm SCALE NA SHEET 1 OF 3			Amphenol Corporation Amphenol Taiwan Corporation			
		CHECKED	Vivian Wen	10/13/2017							
		APPROVED	Lawrence Chan	10/13/2017							
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE				DWG No.	RJMG20162XX90XR	REV.	AX3

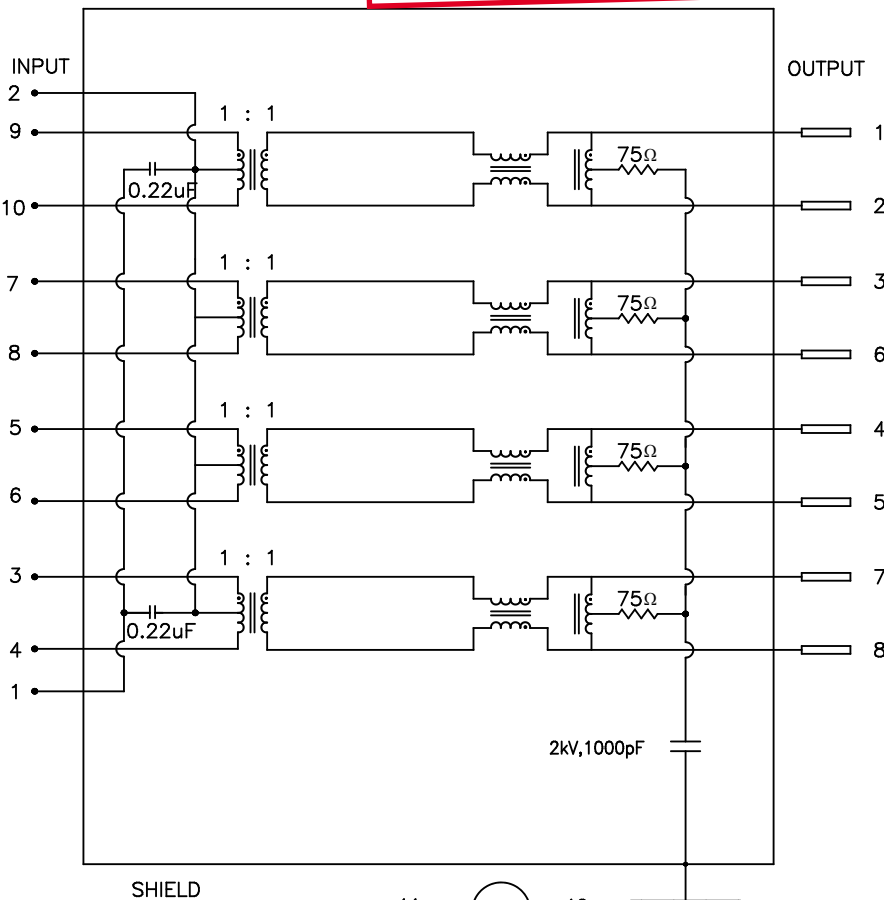
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AX1		NEW PROPOSAL DRAWING	11/15/2013	Roger Tsai
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AX1		UPDATE THE PIN LENGTH AND D/C	10/13/2017	Lawrence Chan



RJMG20162 X X 90 X R

RIGHT LED CODE
LEFT LED CODE

Plating and Packaging:

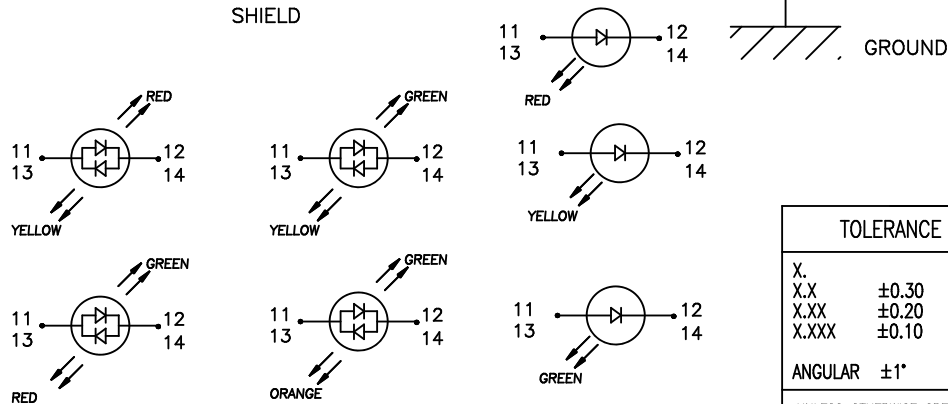
- 0: No LED's Blocked Hole
- 1: Green
- 2: Yellow
- 3: Red
- 4: Bi-color Green/ Yellow
- 5: Bi-color Red/Green
- 6: Bi-color Green/Orange
- 7: Bi-color Red/Yellow

- C: gold flash, Stainless steel shield, tray
- D: gold 15μ", Stainless steel shield, tray
- E: gold 30μ", Stainless steel shield, tray
- F: gold 50μ", Stainless steel shield, tray

Electrical Specification(@25°C)

Parameters	Unit	
Turns Ratio(Primary):(Secondary)	—	1CT:1±5%
Inductance@100KHz,0.1Vrms,8mA DC	uH	350 Min.
Insertion Loss@1~100MHz	-dB	1.0 Max.
@100~125MHz	-dB	1.2 Max.
Return Loss@1~30MHz	-dB	18 Min.
@30~60MHz	-dB	16 Min.
@60~80MHz	-dB	12 Min.
@80~100MHz	-dB	10 Min.
Common Mode Rejection@1~100MHz	-dB	30 Min.
Cross Talk@1~100MHz	-dB	30 Min.
HiPot Test(Input):(Output)	V AC	1500 Min.

Operating Temperature:0°C To +70°C



TOLERANCE	APPROVALS	DATE	TITLE		UNIT	SIZE	PART No.
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DRAWN Arvin Ye	10/13/2017	RJMG2016 Series 1X1 1000 Base-T Series with LED options		mm	A3	RJMG20162XX90XR
ANGULAR ±1°	CHECKED Vivian Wen	10/13/2017			SCALE NA	SHEET 2 OF 3	REV. AX3
UNLESS OTHERWISE SPECIFIED	APPROVED Lawrence Chan	10/13/2017					
	DWG TYPE CUST DWG	PROJECT CODE —					



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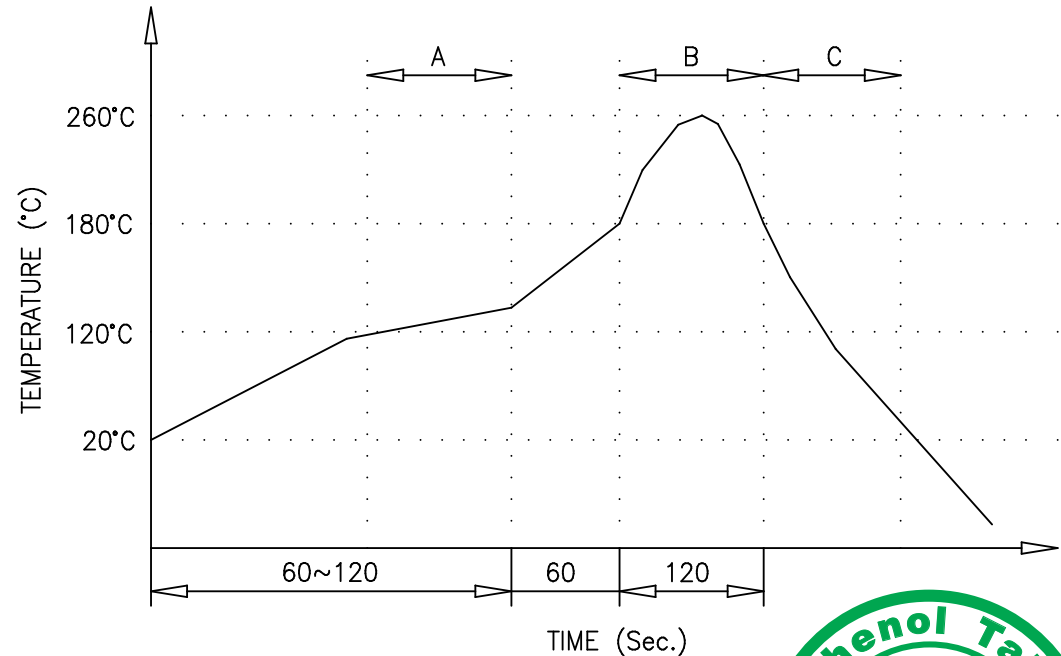
CUSTOMER DRAWING

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SYM	ECN No.	DESCRIPTION	DATE	APPROVED
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AX2		UPDATE DRAWING	06/27/2014	Roger Tsai
AX1		UPDATE THE PIN LENGTH AND D/C	10/13/2017	Lawrence Chan

NOTES:

- MATERIALS :
SHELL : STAINLESS , T=0.20mm
HOUSING : THERMOPLASTIC , BLACK, UL 94V-0
CASE : THERMOPLASTIC , BLACK , UL 94V-0
COVER : THERMOPLASTIC , BLACK , UL 94V-0
RJ CONTACT : PHOSPHOR BRONZE , T=0.30mm
RJ JOINT CONTACT : BRASS , T=0.30mm
MODULE CONTACT : BRASS , T=0.30mm
- FINISH :UNDERPLATING 30u" MIN Ni OVERALL
RJ CONTACT : PLATING GOLD(SEE THE P/N OPTION)
ON CONTACT AREA
RJ JOINT CONTACT 100u" MIN TIN
MODULE CONTACT 100u" MIN TIN
- ELECTRICAL CHARACTERISTICS : REFERE PAGE 2 SPEC
- MECHANICAL CHARACTERISTICS :
INSERTION FORCE : 22N MAX.
REMOVAL FORCE(WITHOUT PLUG LOCK) : 22N MAX.
PLUG LOCKING RETENTION FORCE : 50N MIN./60sec
DURABILITY : 1000 TIMES
- STORAGE TEMPERATURE : -40°C ~ 85°C
- WAVE SOLDER CAPABLE TO 260°C
- OTHERS:
7.1 DATE CODE YYWW
- Ratings
8.1 VOLTAGE RATING: 125 VAC
8.2 CURRENT RATING: 1.5A
- PERFORMANCE AND TEST DESCRIPTION
PRODUCT IS DESIGNED TO MEET ELECTRICAL,
MECHANICAL AND ENVIRONMENT PERFORMANCE
REQUIREMENTS SPECIFIED IN BELOW TABLE. ALL TESTS
ARE PERFORMED AT AMBIENT ENVIRONMENT CONDITIONS
PER MIL-STD-1344A AND EIA-364 UNLESS OTHERWISE
SPECIFIED.
- PACKAGING AND PACKING
ALL PARTS SHALL BE PACKAGED AND PACKED TO
PROTECT AGAINST PHYSICAL DAMAGE, CORROSION AND
DETERIORATION DURING SHIPMENT AND STORAGE.



Tip temperature: 260±5°C
Tip temperature time: 5Sec. Max.
The melting point of Sn96.5/Ag3/Cu0.5: 217°C



TOLERANCE		APPROVALS		DATE	TITLE			Amphenol®						
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		CHECKED	Vivian Wen	10/13/2017										
		APPROVED	Lawrence Chan	10/13/2017										
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	—		UNIT	mm	SIZE	A3	PART No.	RJMG20162XX90XR		
							SCALE	NA	SHEET	3 OF 3	DWG No.	RJMG20162XX90XR	REV.	AX3