

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR RELEASE	EVEN	2016.11.09

ELECTRICAL CHARACTERISTICS :

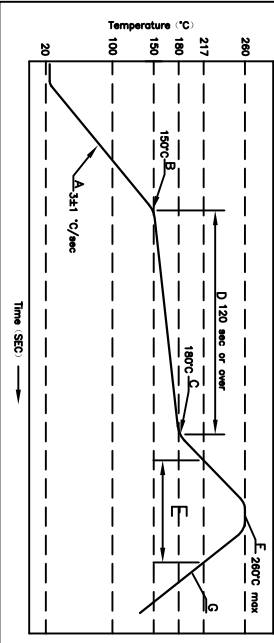
1. INSERTION LOSS :
- 1~100 MHz -1.0dB MAX.
2. RETURN LOSS(LOAD 100Ω) :
- 1~30 MHz -18dB MIN
- 30~60 MHz -16dB MIN
- 60~80 MHz -12dB MIN
- 80~100 MHz -10dB MIN
3. COMMON MODE REJECTION
- 1~100 MHz -30dB MIN
4. CROSS TALK
- 1~100 MHz -30dB MIN
5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
(P2-P1),(P4-P3),(P6-P5),(P8-P7) : 350 uH MIN
6. DCR
(J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2 Ohm MAX
7. HI-POT TEST
PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
8. TURNS RATION 100KHz
- (P2-P1) : (J1-J2) = 1:1 ±%5
- (P4-P3) : (J3-J6) = 1:1 ±%5
- (P6-P5) : (J4-J5) = 1:1 ±%5
- (P8-P7) : (J7-J8) = 1:1 ±%5
9. OTHER GENERAL SPEC. TO REFER "2TJ1638-000111H SPEC".

SPECIFICATION:
1. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
2. GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING **[G.P. PASS]**
3. PACKAGE: SEE "2TJ1638-000111H" PACKAGE.
4. MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.

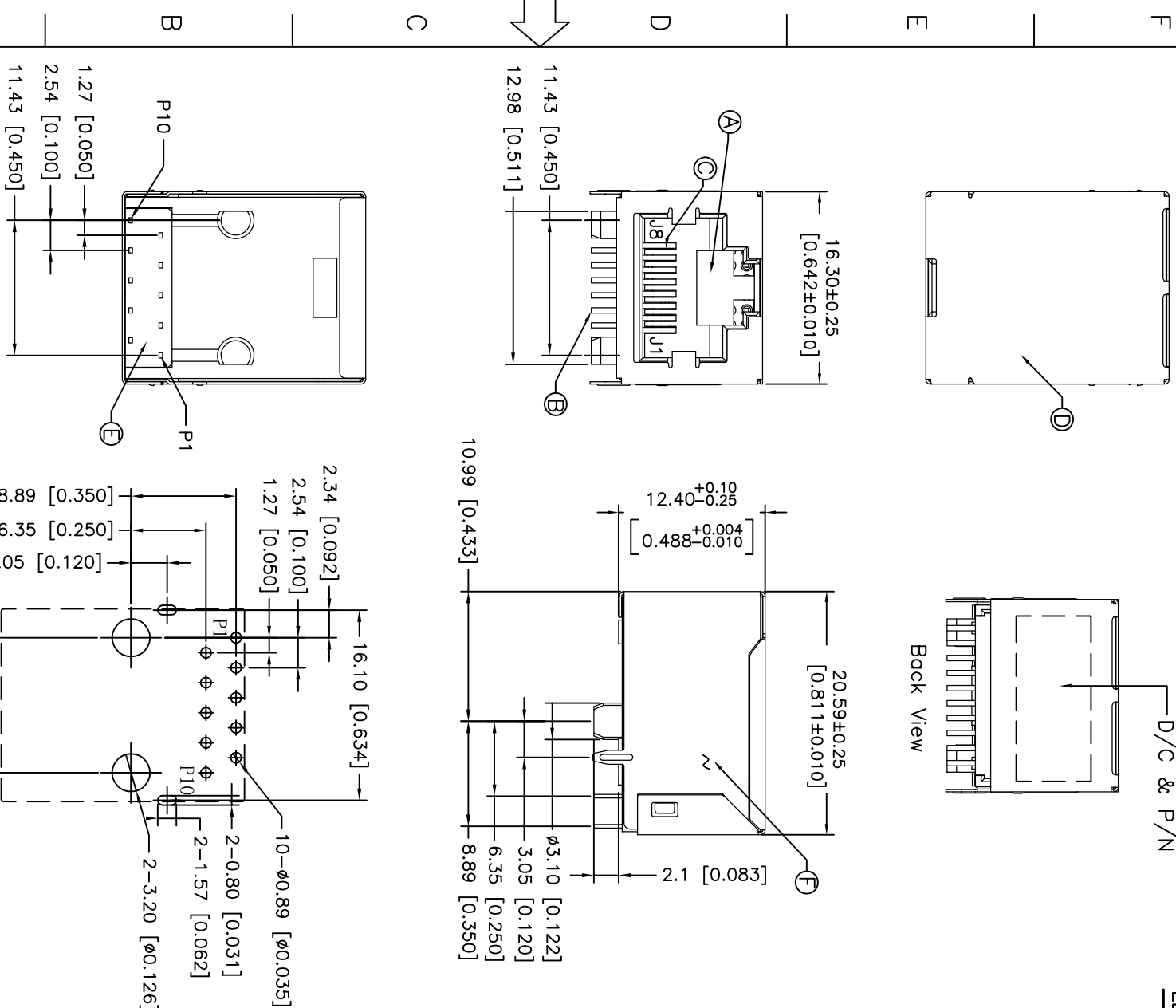
5. ELECTRICAL
- INSULATION RESISTANCE : 500 MOHMS MIN
- DIELECTRIC WITHSTANDING VOLTAGE : 1500 VAC FOR 1 MINUTE
6. RJ45
- INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
- REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
7. DURABILITY : 750 CYCLES
8. OPERATING AND STORAGE TEMPERATURE
- OPERATING TEMPERATURE : 0℃ TO +70℃
- STORAGE TEMPERATURE : -40℃ TO +85℃
9. TEMPERATURE CONDITION OF REFLOW SOLDERING:

Contents	Soldering Condition
A: Increasing speed	3s±1 °C/sec
B: Pre-heat starting speed	150℃
C: Pre-heat ending speed	180℃
D: Pre-heat interval	120 sec or over
E: Over 217℃ time	60-150 sec
F: Peak Temperature(Tp)	260℃ max
G: Time within 5℃ of actual Peak Temp(Tp)	10 sec max
H: Remp down rate	6℃/sec max

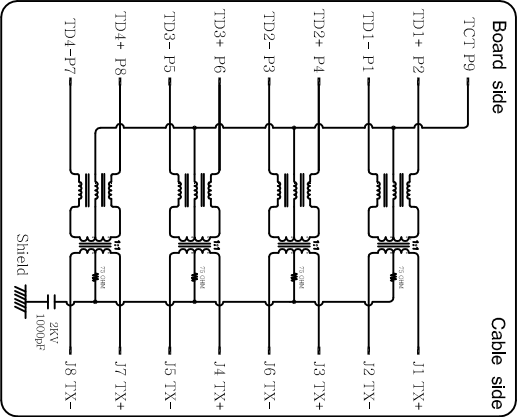
Note:
Type of lead-free solder should be 96.5Sn-3.0Ag-0.5Cu or 99.3Sn-0.7Cu.



- PART NO.
2TJ1638-000111H
- SUFFIX: HALOGEN
 - PACKAGE 1: TRAY
 - HOUSING COLOR 1: BLACK
 - CONTACT PLATING 1: 30u" GOLD ON CONTACT AREA
 - 100u" MIN TIN PLATED ON SOLDER AREA.
 - 50u" MIN NICKEL UNDERPLATED OVERALL.



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)



F	PCB	1	
E	CASE	1	LCP UL 94V-0 BLACK
D	SHELL	1	SUS304 TIN PLATED ON SOLDER AREA
C	OUTPUT CONTACT	8	C5210 SEE PART NO.
B	INPUT CONTACT	10	C2680 TIN PLATED
A	HOUSING	1	LCP UL 94V-0 BLACK
NO	DESCRIPTION	QTY	MATERIAL PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES			
DECIMALS: ANGLES:			
X : ±0.5 X : ±2°			
X.X : ±0.3 X.X : ±1°			
X.XX : ±0.2			
TITLE	RJ45 IMC,1000BASE-T,W/O LED		
DWN	EN 2016.11.09	PART NO.	2TJ1638-000111H
CHKD	AME12016.11.09	SCALE	2.5:1 UNIT: mm
APVD	AME12016.11.09	SIZE: A3	SHEET: 1 OF 1
REV: A			

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