



**ENGINEERING CHANGE NOTICE**

<b>Originator:</b> _____ <b>Phone No.:</b> _____ <b>Email Address:</b> _____ <b>Department:</b> _____	<b>Harsh Patel</b>	<b>Date:</b>	<b>Document Number</b>
	<b>(416) 754-3322</b>	<b>March 31, 2021</b>	<b>ECN20210331-00</b>
	<b>Hpatel@edac.net</b>	<b>Revision Number</b>	<b>SHEET</b>
	<b>ENGINEERING</b>	<b>1</b>	<b>1 of 3</b>

**CHANGE TYPE**

- CLASS I** Customer notification and approval required prior to implementation
- CLASS II** Customer notification only, no approval required
- CLASS III** No customer notification required

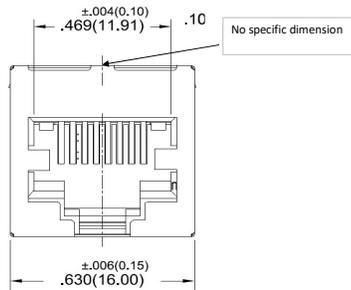
**REASON OF CHANGE**

New Tooling implemented for A00-108-222-950 (Shielded RJ45 Top Entry), A00-108-222-900 (Shielded RJ45 Top Entry), A00-108-322-900 (Shielded RJ45 Top Entry), A00-108-622-900 (Shielded RJ45 Top Entry).

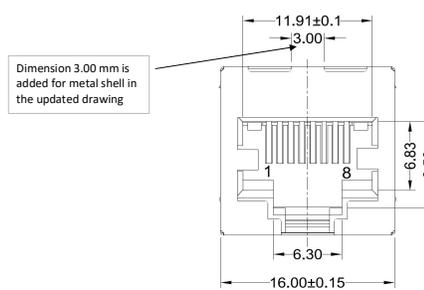
**DESCRIPTION OF CHANGE:**

1. Old tooling has worn out and need to be replaced by standard tooling.

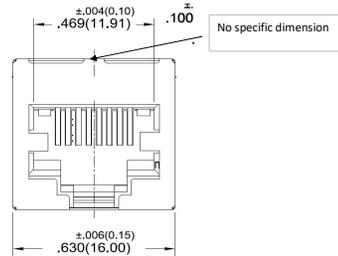
Old Drawing No  
A00-108-222-950, Rev-04



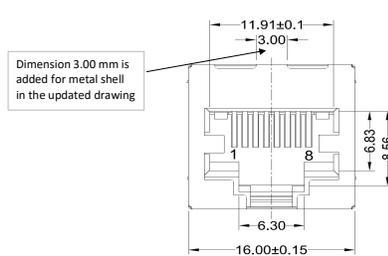
New Drawing No  
A00-108-222-950, Rev-05



Old Drawing No  
A00-108-222-900, Rev-05



New Drawing No  
A00-108-222-900, Rev-06



2. Effective implementation to distribution is on March 31, 2021

Note:- There is no any change in form, fit and function.

**PARTIES AFFECTED**

- Customer
- Distributors
- Suppliers

- NORCOMP
- MH
- ETW

- ECA
- EDG
- EDAC UK

**KEY TARGET DUE DATES IF CHANGE IS APPROVED TO PROCEED** (check if applicable and show target dates as known)

- Submit Quote \_\_\_\_\_
- Prod. Trial Run \_\_\_\_\_
- Run at Rate \_\_\_\_\_
- PPAP from Supplier \_\_\_\_\_
- MRD of Production Parts \_\_\_\_\_

**ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)**

<input type="checkbox"/> Tooling Rep _____	<input type="checkbox"/> Process Eng Rep _____
<input type="checkbox"/> Mfg Eng Rep _____	<input type="checkbox"/> Facilities Rep _____
<input type="checkbox"/> Production Rep _____	<input type="checkbox"/> Sales Rep _____
<input type="checkbox"/> Materials Rep _____	<input type="checkbox"/> Product Eng. Rep. _____
<input type="checkbox"/> Quality Rep _____	<input type="checkbox"/> Purchasing Rep _____

**STATUS**

**APPROVED**

CCS CHANGE REQUEST #

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**REJECTED**

Change REJECTED by:

Rejected Date: \_\_\_\_\_

**APPROVALS FOR ECN INITIATION (REQUIRED)**

**President** \_\_\_\_\_

**Vice President** **Bob Sakitkovski**

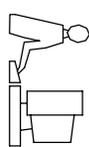
**Engineering Manager** **Ronnie Sta. Monica**

**Mechanical Engineer** **Harsh Patel**

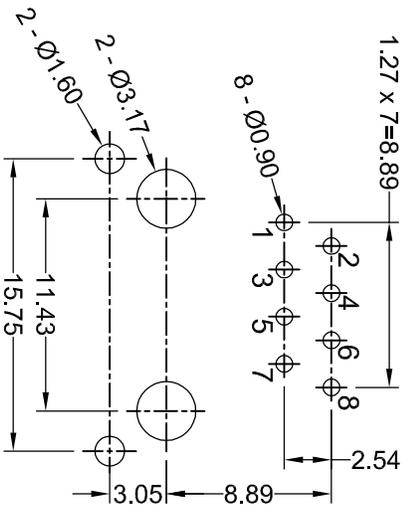
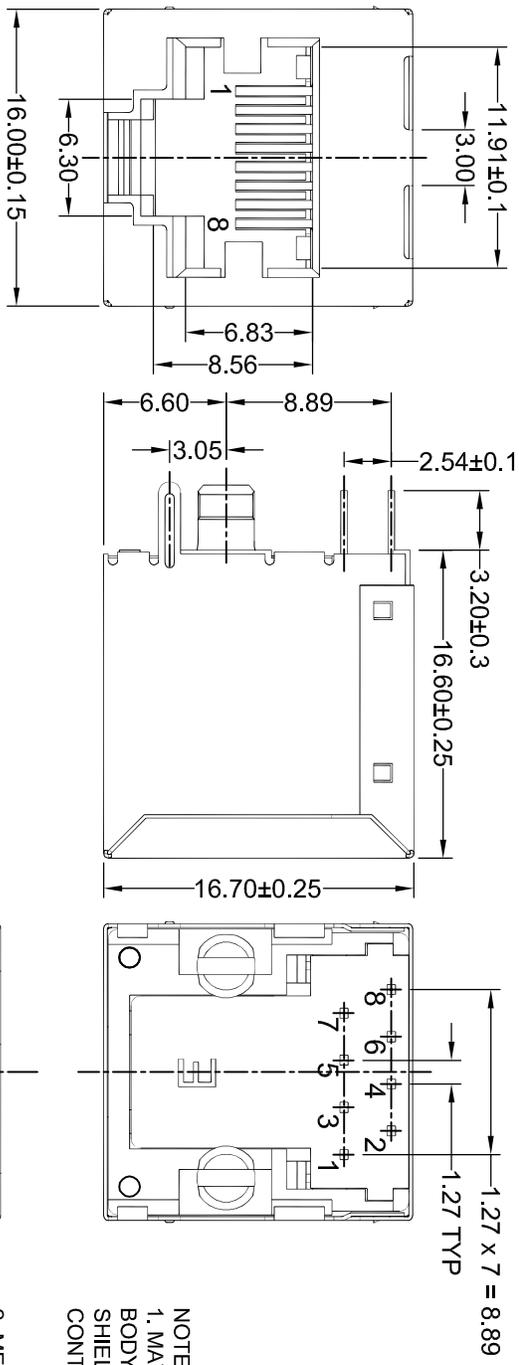
**MINIMUM OF TWO SIGNATURES REQUIRED**

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:  
 .XX ±0.25  
 .XXX ±0.13  
 XX° ±2°

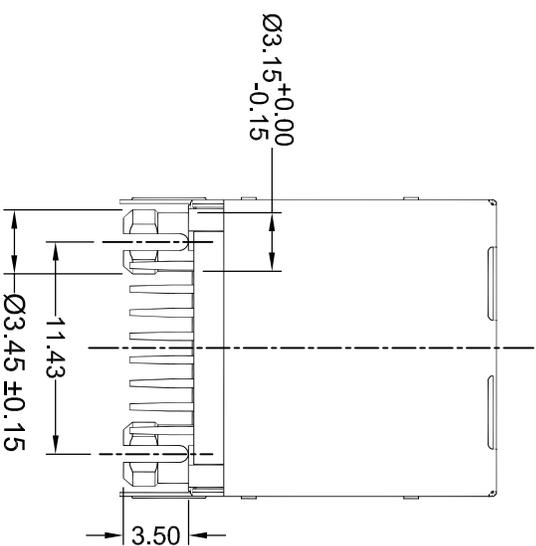
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ISSUE NUMBER	
UPDATE NOTES	(4)
R.STAMONICA OCT. 21/2014	
ADD 3mm DIM ON METAL SHELL	
P.M. MAR. 29/2021	(5)



PCB LAYOUT COMPONENT SIDE  
 TOLERANCES ±0.05 THICKNESS = 1.6mm



\*\*PART MUST BE KCC CERTIFIED\*\*

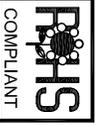
- NOTES:
1. MATERIAL:  
 BODY: PBT, UL 94V-0, BLACK COLOR  
 SHIELD: BRASS, T=0.2mm, NICKEL PLATED  
 CONTACT: PHOSPHOR BRONZE, T=0.35mm  
 PLATED WITH 50 MICRO INCHES OF GOLD ON CONTACT AREA, TIN ON TAILS OVER NICKEL
  2. MECHANICAL:  
 MATING/UNMATING FORCE: 30N MAX  
 RETENTION STRENGTH: 50N FOR 60S ±5S  
 DURABILITY: 750CYCLES MIN
  3. ENVIRONMENTAL:  
 STORAGE TEMPERATURE: -40°C TO +85°C  
 OPERATING TEMPERATURE: -40°C TO +85°C
  4. CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F
  5. ELECTRICAL:  
 VOLTAGE RATING: 125VAC RMS  
 CURRENT RATING: 1.5A  
 CONTACT RESISTANCE: 20MILLIOHM MAX  
 INSULATION RESISTANCE: 1000MEG OHM MIN @500VDC  
 WITHSTANDING VOLTAGE:  
 1000VAC RMS, CONTACT TO CONTACT  
 1500VAC RMS CONTACT TO SHIELD

SHIELDED RJ45 TOP ENTRY WITH  
 50µ" OF GOLD AND KCC CERTIFICATION



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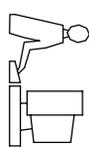
ACAD REFERENCE NO.:	A00-108-222-950
DRAWN:	F.BRIONES
DATE:	MAR. 13/15
CHECKED:	R.S.M.
DATE:	MAR. 29/2021
SCALE:	(IN C.A.D. 1:1)
SHEET	1 OF 1
DRAWING NUMBER:	A00-108-222-950
ISSUE	5
PART NUMBER:	A00-108-222-950



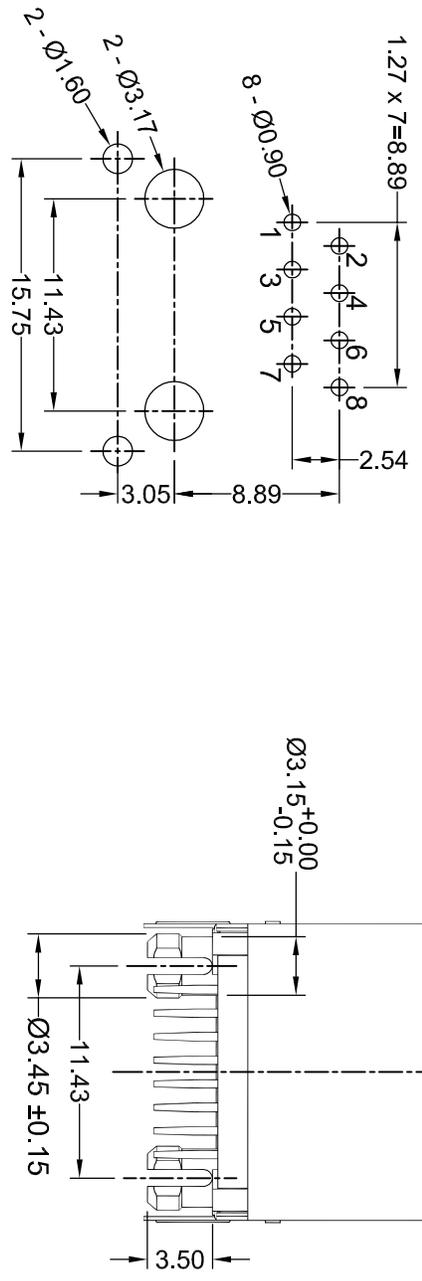
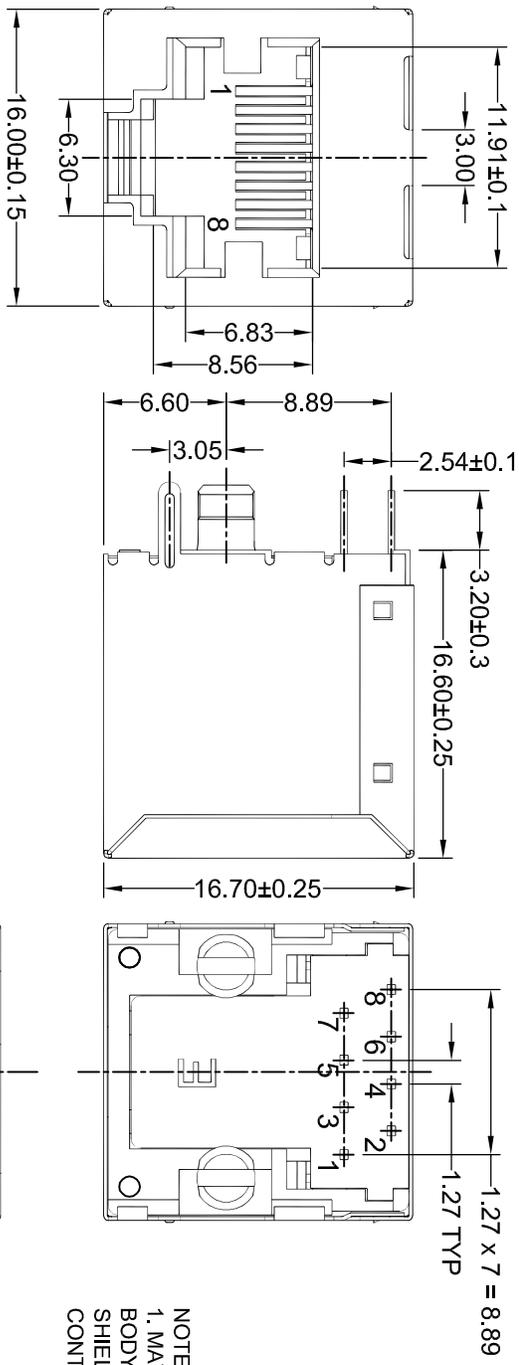
THIS SERIES FULLY CONFORMS TO THE EUROPEAN UNION DIRECTIVES 2011/65/EU FOR ROHS COMPLIANCY.

TOLERANCE UNLESS OTHERWISE SPECIFIED IN MM:  
 .XX ± 0.25  
 .XXX ± 0.13  
 XX° ± 2°

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ISSUE NUMBER	
UPDATE NOTES	(4)
R.STAMONICA OCT. 21/2014	
UPDATE TOLERANCE	(5)
Y.ZHANG MAY.23/2018	
ADD 3mm DIM ON METAL SHELL	(6)
P.M. MAR. 29/2021	



PCB LAYOUT COMPONENT SIDE  
 TOLERANCES ±0.05 THICKNESS = 1.6mm

SHIELDED RJ45  
 TOP ENTRY P.C.B MODULAR JACK

- NOTES:
1. MATERIAL:  
 BODY: PBT, UL 94V-0, BLACK COLOR  
 SHIELD: BRASS, T=0.2mm, NICKEL PLATED  
 CONTACT: PHOSPHOR BRONZE, T=0.35mm  
 WITH SELECTIVE GOLD PLATING ON CONTACT AREA AND TIN PLATING ON SOLDER TAIL. ALL OVER NICKEL PLATING
  2. MECHANICAL:  
 MATTING/UNMATTING FORCE: 30N MAX  
 RETENTION STRENGTH: 50N FOR 60S ±5S  
 DURABILITY: 750CYCLES MIN
  3. ENVIRONMENTAL:  
 STORAGE TEMPERATURE: -40°C TO +85°C  
 OPERATING TEMPERATURE: -40°C TO +85°C
  4. CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F
  5. ELECTRICAL:  
 VOLTAGE RATING: 125VAC RMS  
 CURRENT RATING: 1.5A  
 CONTACT RESISTANCE: 20MILLIOHM MAX  
 INSULATION RESISTANCE: 1000MEG OHM MIN @500VDC  
 WITHSTANDING VOLTAGE:  
 1000VAC RMS, CONTACT TO CONTACT  
 1500VAC RMS CONTACT TO SHIELD



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 TORONTO, ONTARIO  
 CANADA

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ACAD REFERENCE NO.:	A00-108-222-900
DRAWN:	R.BLAKELY
DATE:	APR. 15/05
CHECKED:	R.S.M.
DATE:	MAR. 29/2021
SCALE:	(IN C.A.D. 1:1)
SHEET	1 OF 1
DRAWING NUMBER:	A00-108-222-900
ISSUE	
PART NUMBER:	SEE PLATING PART NO. 6