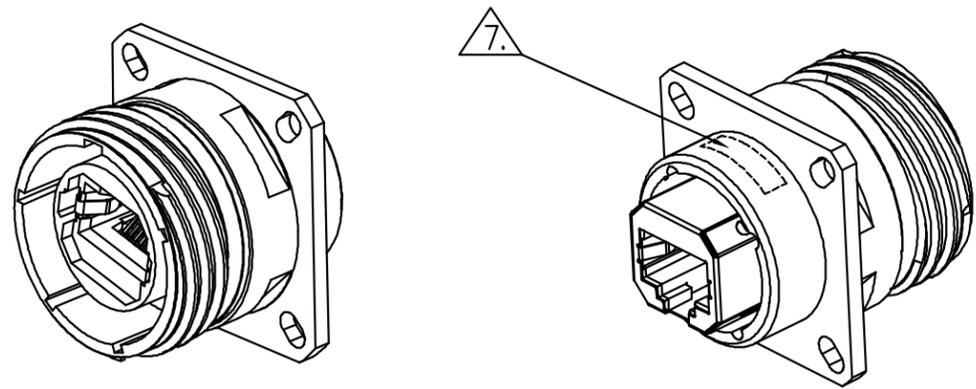
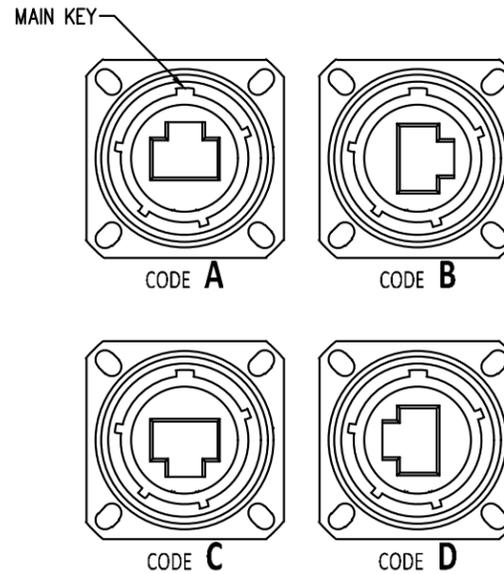


# SQUARE FLANGE RECEPTACLE CONNECTOR



RECEPTACLE CONNECTOR  
AS RECEIVED  
(ISOMETRIC VIEWS)



POLARIZATION CODES  
USE REMOVAL TOOL P/N 2940262-01  
IF RECODING IS NECESSARY

## PART NUMBER KEY

**S-RJFTV6A1902zzz1yy**

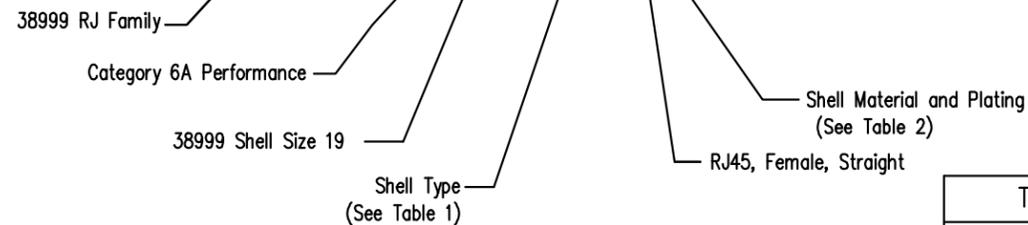


TABLE 1 - SHELL TYPE (02zzz)

Part Number	Description
02	Receptacle, Square flange
02BS	Receptacle, Square flange, IP68 Backshell, Plastic gland
02BSM	Receptacle, Square flange, IP68 Backshell, Metal gland

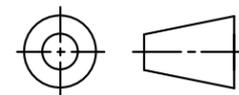
TABLE 2 - SHELL MATERIAL AND PLATING (yy)

Part Number	Description
G	Aluminum shell, olive drab cadmium plating
N	Aluminum shell, nickel plating (RoHS)
Q	Aluminum shell, black zinc nickel plating (RoHS)
W	Aluminum shell, gray nickel-PTFE plating (RoHS)
SS	Stainless steel, passivated (RoHS)
BZ	Marine bronze (RoHS)

### NOTES:

- CONNECTOR MATERIALS:  
HOUSING: THERMOPLASTIC UL94 V-0  
CONTACTS/SHIELD: COPPER ALLOY  
CONTACT PLATING: 50 MICRO-INCHES [1.27µm] SELECTIVE GOLD OR EQUIVALENT  
SHELL MATERIAL AND PLATING: SEE PART NUMBER KEY AND TABLES  
O-RING GASKET: THERMOPLASTIC ELASTOMER
- DESIGNED FOR CATEGORY 6A CHANNEL PERFORMANCE (CHANNELS UP TO 50M LONG USING ONLY 1 COUPLER) FOR RJ45 PRODUCT SPECIFICATIONS SEE PR040-01.
- RJ45 INTERFACE DIMENSIONS AND TOLERANCES COMPLY WITH TIA-1096 STANDARD.
- CIRCULAR SHELL COMPLIES WITH MIL-DTL-38999.
- STANDARD PRODUCT IS SUPPLIED ASSEMBLED TO POLARIZATION CODE A.
- CONNECTOR ASSEMBLY IS SUPPLIED WITHOUT CORDSET IF LENGTH DESIGNATOR IS BLANK.
- CIRCULAR CONNECTOR IS MARKED WITH DATE CODE IN THIS AREA.
- CIRCULAR CONNECTOR IS SUPPLIED WITH DUST CAPS.
- OPERATING TEMPERATURE: -40°C TO +85°C.

THIRD ANGLE PROJECTION



DO NOT SCALE DRAWING  
DRAWING IS SUBJECT TO  
CHANGE WITHOUT NOTICE

DIMENSIONS: INCHES [METRIC]

TOLERANCES UNLESS  
OTHERWISE SPECIFIED  
.X ± .1 [2.54]  
.XX ± .01 [0.254]  
.XXX ± .005 [0.127]  
ANGULAR ± 1°

SHEET NO. 1 OF 3



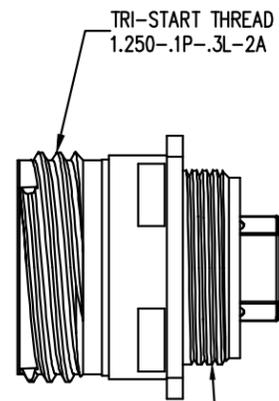
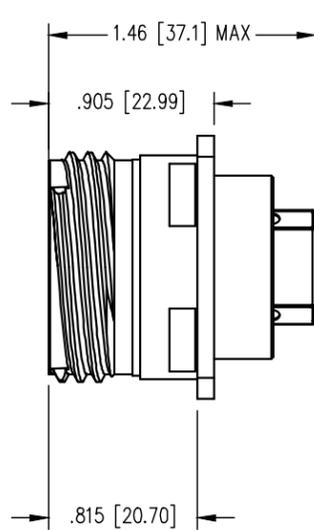
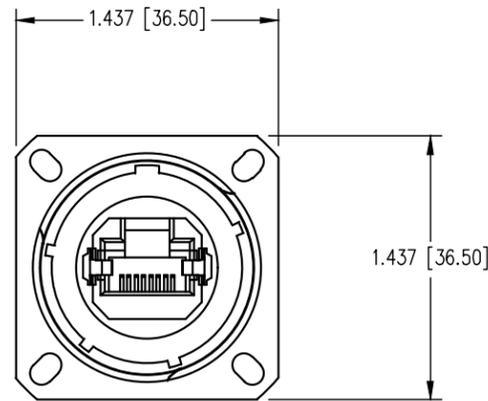
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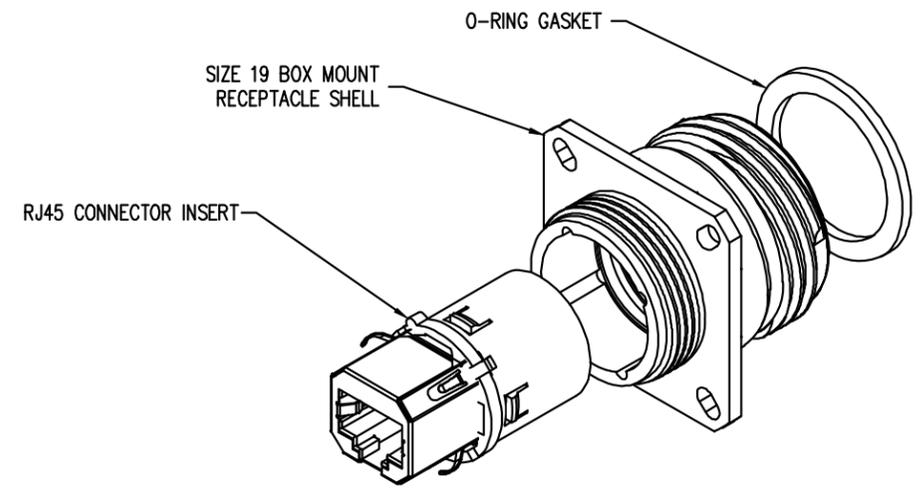
TITLE: CATEGORY 6A IP68 RECEPTACLE WITH RJ45 INSERT  
SIZE 19 38999 SQUARE FLANGE SHELL

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DWG NO.	CT600211	REV.	A1

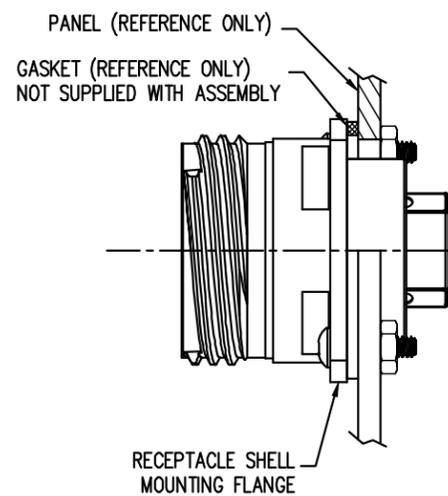


THREADED REAR RECEPTACLE  
1 1/16-18 UNEF 2A  
SUPPLIED WHEN ORDERED  
WITH BACKSHELL

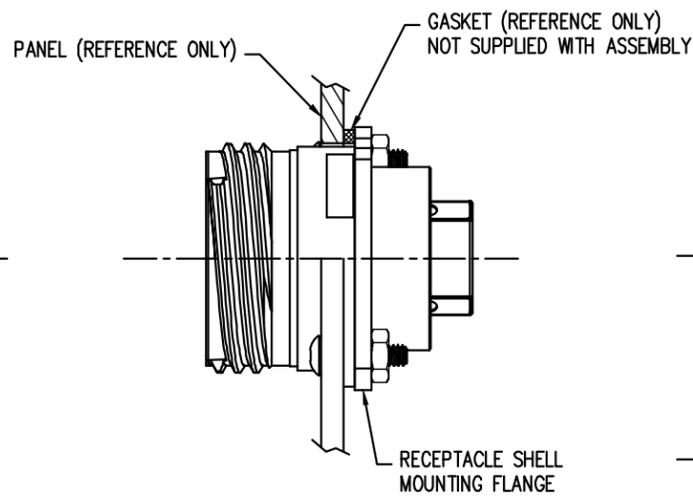


RECEPTACLE CONNECTOR  
(EXPLODED VIEW)

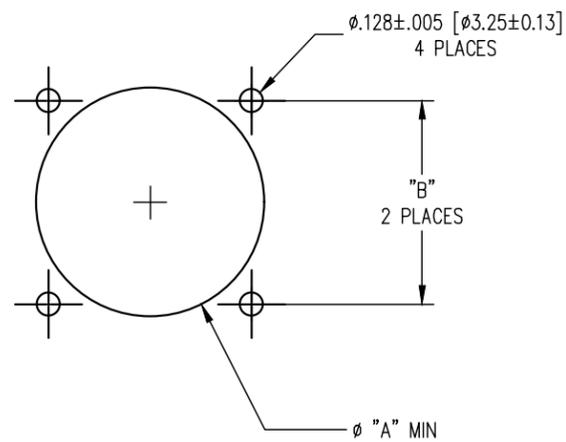
ASSEMBLED DIMENSIONS  
(POLARIZATION CODE A SHOWN)



FRONT PANEL MOUNTING

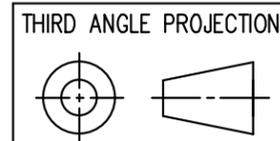


REAR PANEL MOUNTING



PANEL CUTOUT  
.125 [3.2] MAX PANEL THICKNESS

TABLE 3 - PANEL CUTOUT	
Panel Mounting Side	"A" Diameter Inches [mm]
Front	1.016 [25.81]
Rear	1.280 [32.94]
Dim "B"	
Recommended:	1.110 [28.19]
Compatible with:	1.156 [29.36] 1.064 [27.02]
If back shell is used when front mounting, Dim "A" = 1.219 [30.96]	



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DIMENSIONS: INCHES [METRIC]  
SHEET NO. 2 OF 3



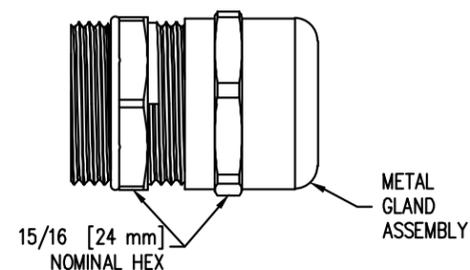
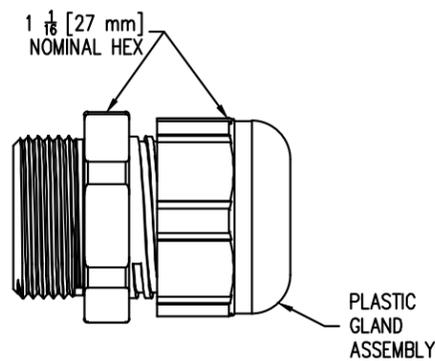
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TITLE: CATEGORY 6A IP68 RECEPTACLE WITH RJ45 INSERT  
SIZE 19 38999 SQUARE FLANGE SHELL

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DWG NO. CT600211	REV. A1

# SQUARE FLANGE RECEPTACLE CONNECTOR WITH BACK SHELL, SEALING GLAND, AND CORD SET



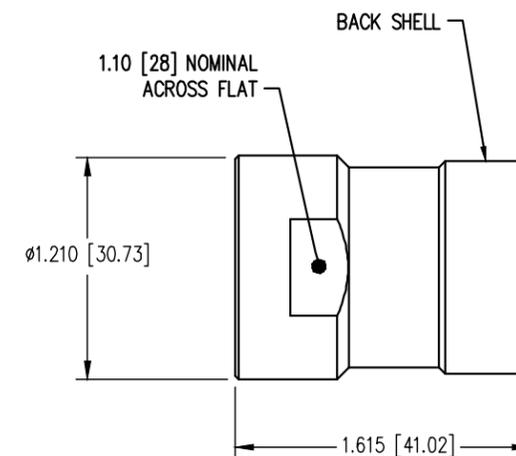
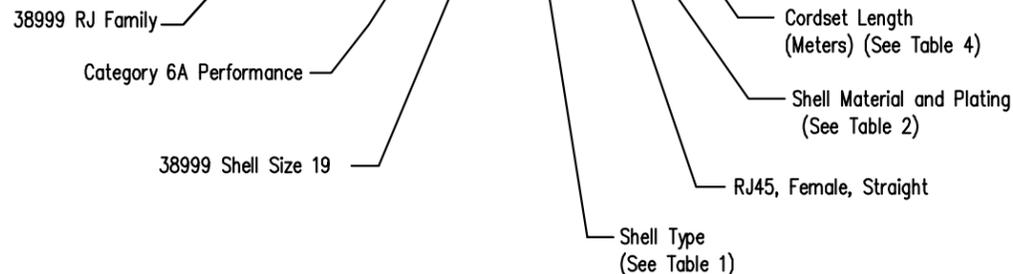
**TABLE 4 - CORD SET LENGTH (xx)**

Part Number	Standard Length (Meters) [Inches]
03	0.3 [11.8]
05	0.5 [19.7]
10	1.0 [39.4]
15	1.5 [59.1]

For lengths not shown follow part number key format. Supplied without cord set if designator is blank.

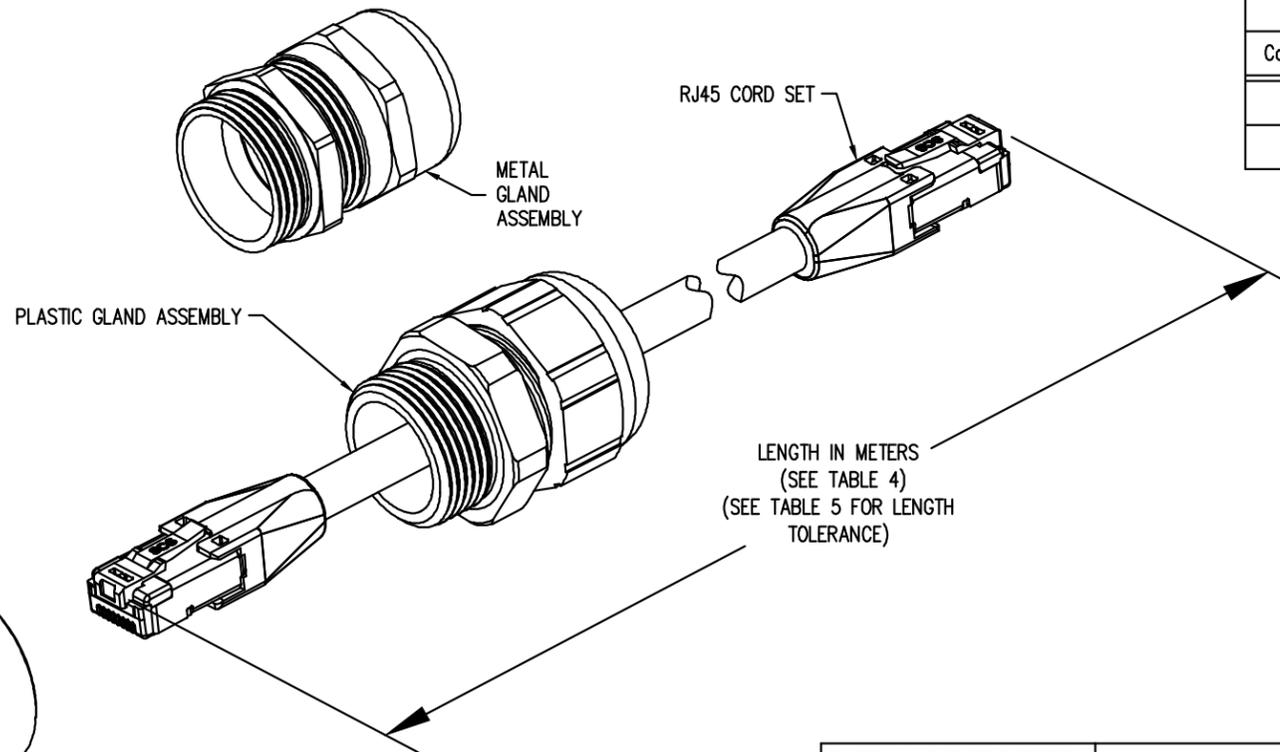
## Part Number Key

**S-RJFTV6A1902zzz1yyxx**

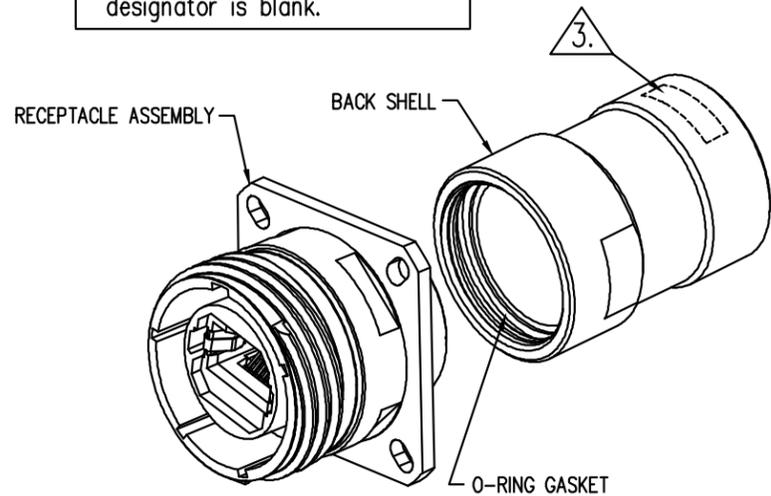


**TABLE 5 - CORD SET LENGTH TOLERANCE**

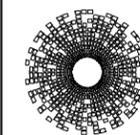
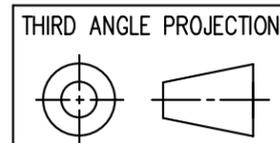
Cordset Length = Meters [inches]	Tolerance = MM [inches]
0.5 [19.7] TO 2.5 [98.4]	+100 [3.90] / -0 [0.00]
3.0 [118] TO 10 [394]	+150 [5.91] / -0 [0.00]



- NOTES:**
- SEALING GLAND RECOMMENDED TORQUE VALUES:  
 PLASTIC GLAND:  
 GLAND TO SHELL = 44.3 In-Lbs [5 Nm]  
 GLAND TO CABLE = 29.2 In-Lbs [3.3 Nm]  
 METAL GLAND:  
 GLAND TO SHELL = 66.4 In-Lbs [7.5 Nm]  
 GLAND TO CABLE = 44.3 In-Lbs [5 Nm]
  - BACK SHELL TO RECEPTACLE RECOMMENDED TORQUE:  
 40 TO 50 INCH-POUNDS [4.5 TO 5.6 NEWTON-METERS]
  - CIRCULAR CONNECTOR ASSEMBLY IS MARKED WITH DATE CODE LOCATED IN THIS AREA.
  - CIRCULAR CONNECTOR IS SUPPLIED WITH DUST CAP(S).
  - OPERATING TEMPERATURE: -40°C TO +85°C.



RECEPTACLE CONNECTOR WITH BACK SHELL, GLAND AND CORDSET AS RECEIVED (EXPLODED VIEW)



**stewart**  
CONNECTOR  
a bel group

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TITLE: CATEGORY 6A IP68 RECEPTACLE WITH RJ45 INSERT SIZE 19 38999 SQUARE FLANGE SHELL

TOLERANCES UNLESS OTHERWISE SPECIFIED  
.X ± .1 [2.54]  
.XX ± .01 [0.254]  
.XXX ± .005 [0.127]  
ANGULAR ± 1°

DIMENSIONS: INCHES [METRIC]

SHEET NO. 3 OF 3

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