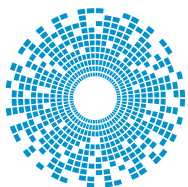# RJ45 D38999

## Series C-RJFTV

### Rugged Solutions

Based on the rugged D38999 shell and high performance RJ45, Cinch Connectivity Solutions' RJ45 D38999 provides Ethernet connectivity in harsh environments.  A unique design reduces the footprint to the markets smallest, size 17 which can be used to transmit 1G Base-T Ethernet.
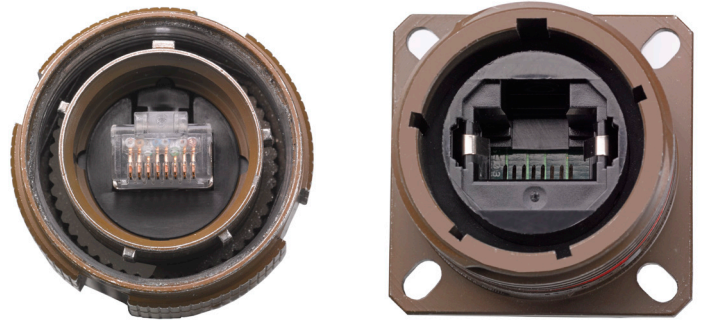
**cinch**
CONNECTIVITY SOLUTIONS
a bel group

# Series C-RJFTV

## Main Characteristics

- D38999 series III style shell
- EMI protection with shielded cable
- Shell sizes 17 and 19, which is the smallest size on the market today and allows for communications speeds through 1G Base-T Ethernet
- Available in a variety of metals and plating's
- Minimum of 500 mating cycles
- Sealed to IP68
- Four keyways available

## Data transmission

- 10 Base-T, 100 Base-T, and 1G Base-T Ethernet
- High performance connectivity, up to 100 MHz

## Applications

- Harsh Environment Connectivity
- Military Communication
- Railway
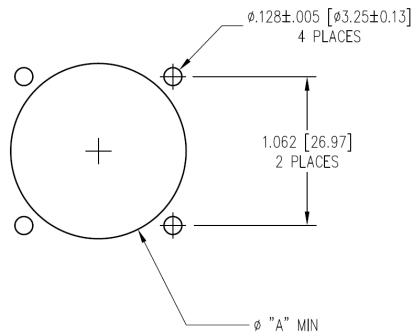- Oil and Gas
- Renewable Energy Industry

# Series C-RJFTV

**Panel Mounting**

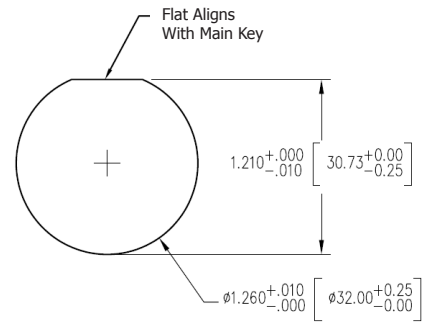**Jam Nut Mounting**

| Panel Mounting Side | "A" Diameter Inches [mm] |
|---|---|
| Front | 1.016 [25.81] |
| Rear | 1.219 [30.96] |
| If Back Shell is Used When Front Mounting, "A" = 1.219 [30.96] | |

⌀.128±.005 [⌀3.25±0.13]
4 PLACES

1.062 [26.97]
2 PLACES

⌀ "A" MIN

Panel Cutout
.125 [3.2] Max Panel Thickness

Flat Aligns
With Main Key

$1.210^{+.000}_{-.010}$ [$30.73^{+0.00}_{-0.25}$]
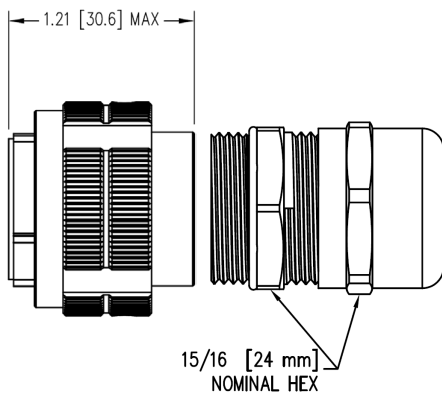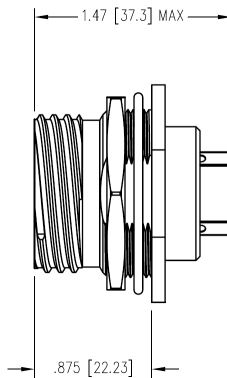
$⌀1.260^{+.010}_{-.000}$ [$⌀32.00^{+0.25}_{-0.00}$]

Panel Cutout
.125 [3.2] Max Panel Thickness

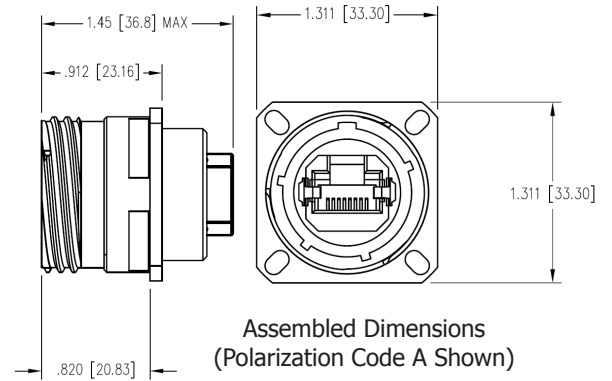**\*For Information on Size 19 Panel Dimensions, Contact Factory**

## Plug

1.21 [30.6] MAX

15/16 [24 mm]
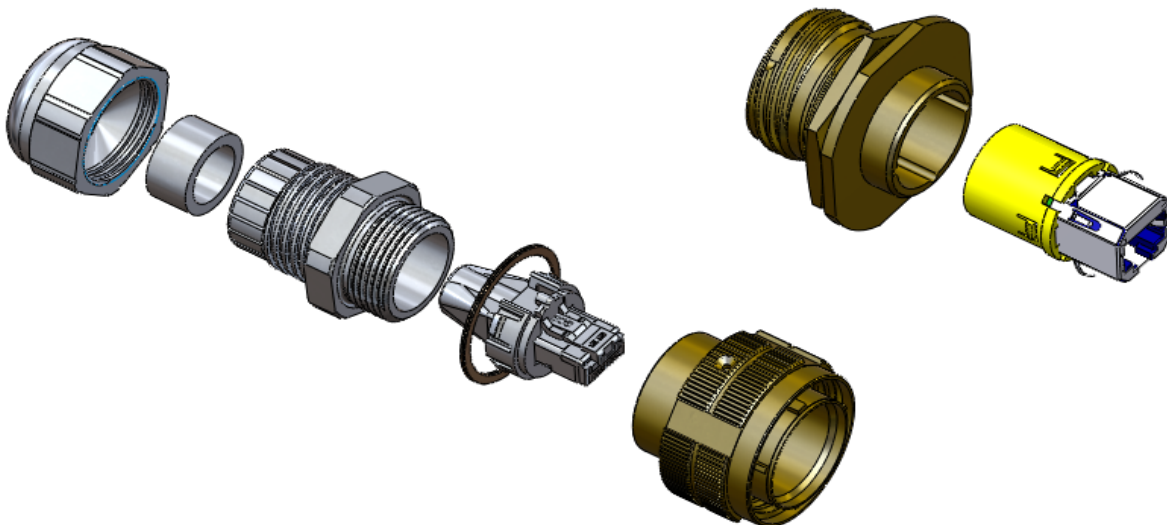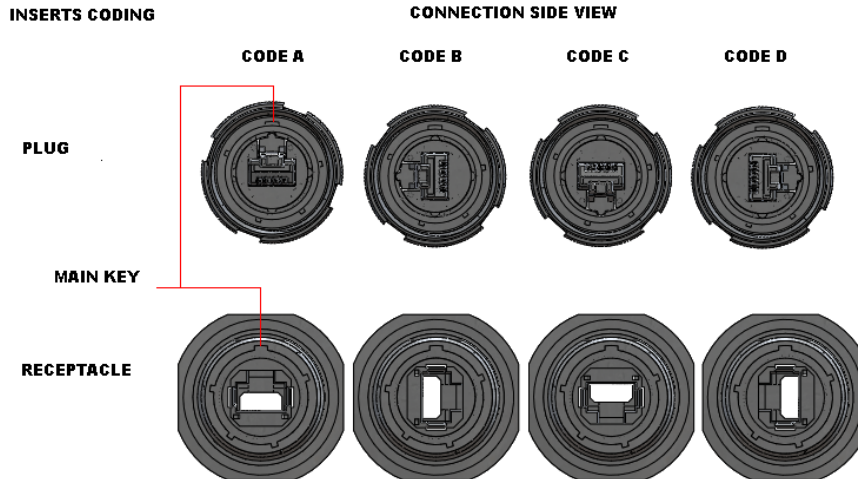NOMINAL HEX

## Receptacle

1.47 [37.3] MAX

.875 [22.23]

## Square Flange Receptacle

1.45 [36.8] MAX

.912 [23.16]

.820 [20.83]

1.311 [33.30]

1.311 [33.30]

Assembled Dimensions
(Polarization Code A Shown)

# How to Order RJ45 D38999, Series C-RJFTV

**INSERTS CODING**

**CONNECTION SIDE VIEW**

CODE A    CODE B    CODE C    CODE D

PLUG

MAIN KEY

RECEPTACLE

| Series | | | | | | | C-RJFTV | 5E | 17 | 06 | 1 | G | 03 | K123 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RJ45 38999 series III | | | | | | | | | | | | | | |

**Performance**
5E - Suited for 10 BaseT, 100 BaseT, 1G BaseT

**Shell size**
17 - Size 17
19 - Size 19

**Shell Type**
02      - Receptacle, square flange
02BS    - Receptacle, square flange, IP68 backshell, plastic gland
02BSM - Receptacle, square flange, IP68 backshell, metal gland
06P      - Plug, straight, plastic gland
06M     - Plug, straight, metal gland
07        - Receptacle, jamnut
07BS     - Receptacle, jamnut, IP68 backshell, plastic gland
07BSM - Receptacle, jamnut, IP68 backshell, metal gland

**Back end termination (omit for shell type 06)**
1 - RJ45, Female, Straight

**Shell material and plating**
G   - Aluminum shell, olive drab plating
N   - Aluminum shell, nickel plating (RoHS)
SS - Stainless steel, passivated (RoHS)
BZ - Marine bronze (RoHS)

**Cordset length**
03 - 0.3 meter
05 - 0.5 meter
10 - 1.0 meter
15 - 1.5 meter

**Modification code**