

A

B

C

D

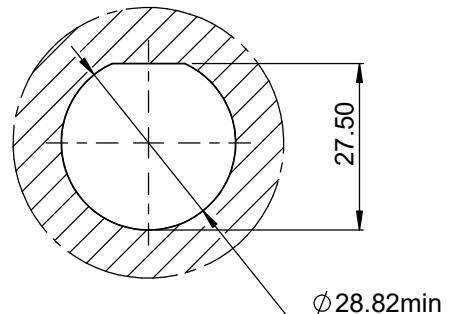
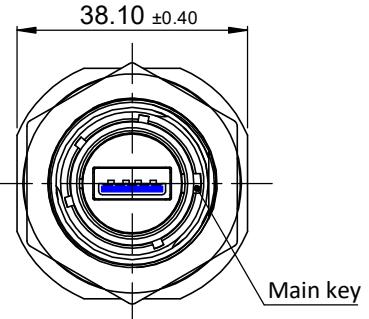
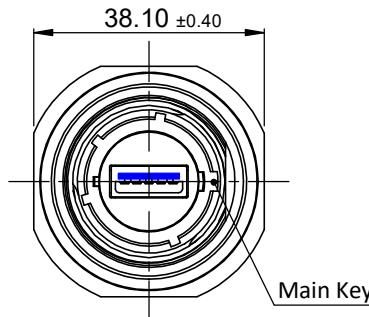
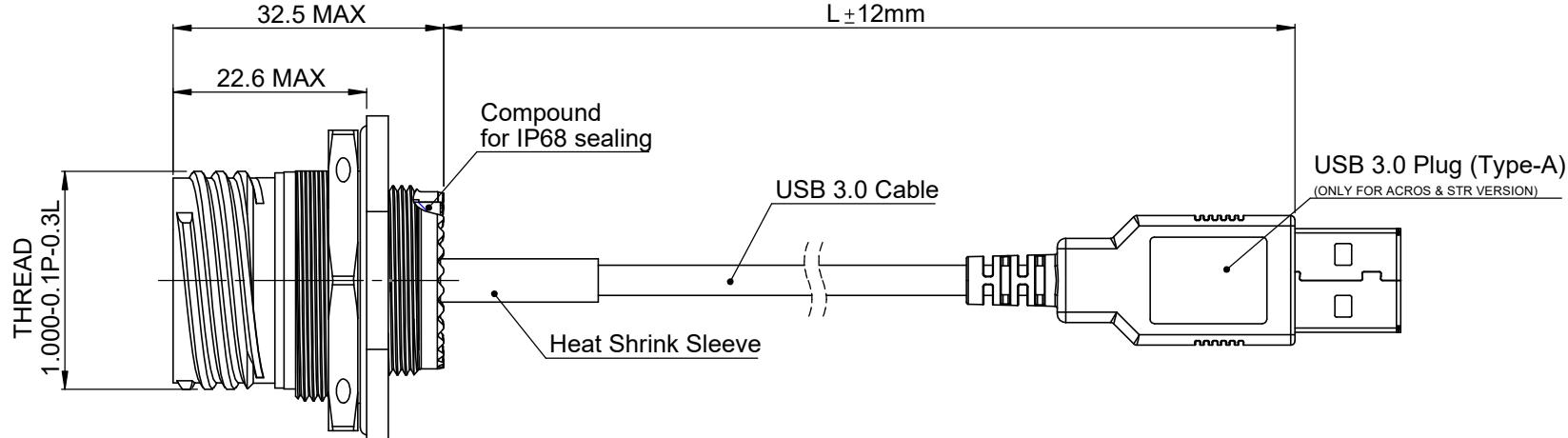
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REVISION DETAILS

DATE	REV	ECN NO.	DESCRIPTION	APPROVED
13-01-2026	A	NA	INITIAL REL.	DSN

# TECHNICAL DATA SHEET

## USB RECEPTACLE CONNECTOR



**CODE - A**  
AS-USB3-7S-A-XX-X-XXXX

**CODE - B**  
AS-USB3-7S-B-XX-X-XXXX

### MOUNTING PANEL CUT

#### KEY CHARACTERISTICS

- 1) Sealed against fluids and dusts (IP68)
- 2) Shock, vibration and traction resistant
- 3) No cabling operation in field and no tools required
- 4) Tri Start Thread coupling mechanism (MIL-DTL-38999 series III type)
- 5) Mating cycles: 500 minimum
- 6) 15 Shell Size

#### Environmental protection

- 1) Sealing (when mated): IP68 (temporary immersion)
- 2) Salt spray: 48 hour with nickel plating
- 3) 500 hour with olive drab cadmium
- 4) Vibrations: 10 – 500 Hz, 10 g, 3 axes
- 5) Shocks: IK06, weight of 250 g drop from 40 cm (mated pair)
- 6) Humidity: 21 days, 43°C, 98% humidity
- 7) Temperature range: -40°C / +85°C

#### Data Transmission

Data rate: up to 5Gb/s for high speed USB 3.0

#### Ordering Part Number Information

CONNECTOR SERIES AS-USB3 2S A 03 G ACROS

##### SHELL TYPE

2S : Square Flange Receptacle

7S: Jamnun Receptacle

##### Orientation/Coding

A or B

##### USB Cable Length (L)

03 : 0.3m [11.81 inches]

10 : 1 m [39.37 inches]

##### Finish & Material

G : Aluminium Alloy Shell plated with Cadmium olive drab

N : Aluminium Alloy Shell plated with Nickel

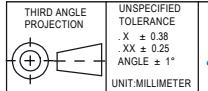
##### Cable Type

ACROS : high reliability crossed USB3 with plug at the end [ for PC to PC application]

STR : high reliability straight USB3 cable with plug at the end [ for PC to peripheral application]

OPEN : high reliability cable, no plug at the end

All Dimensions are in mm



UNSPECIFIED  
TOLERANCE  
.X ± 0.38  
.XX ± 0.25  
ANGLE ± 1°

UNIT: MILLIMETER

DRAWN RHK

CHECKED RPT

APR'VD DSN

DATE 13-01-2026

SCALE - NTS SHEET: 1 OF 1

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**AMPMIL**  
RELIABLE CONNECTOR SOLUTIONS

MIL-DTL-38999 USB RECEPTACLE CONNECTOR FOR HARSH ENVIRONMENT

PART NUMBER AS-USB3-7S-A-03-G-ACROS  
(FOR XXX CONFIGURATION REFER ORDERING INFORMATION)

REV  
A