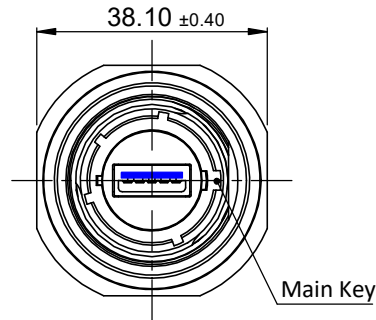
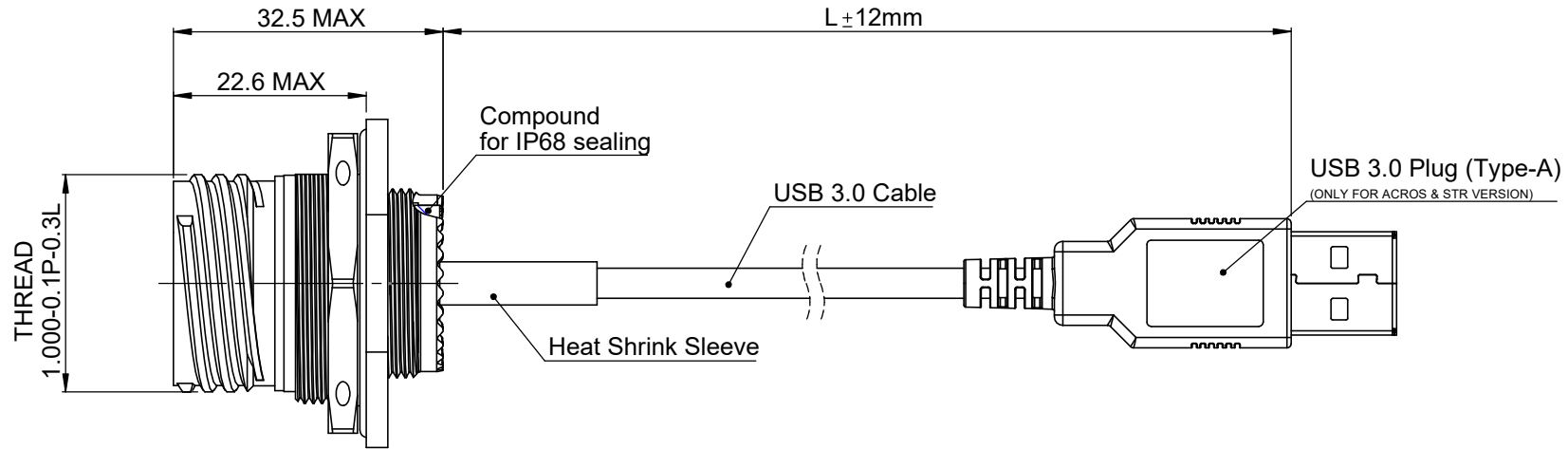


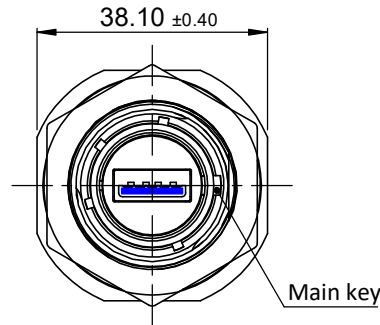
TECHNICAL DATA SHEET  
USB RECEPTACLE CONNECTOR

REVISION DETAILS

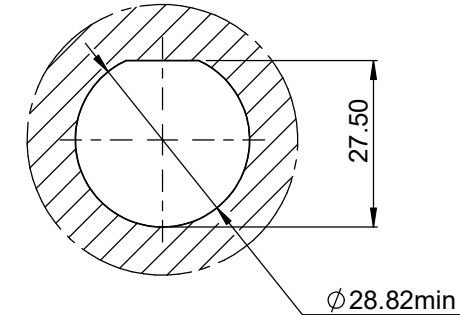
DATE	REV	ECN NO.	DESCRIPTION	APPROVED
13-01-2026	A	NA	INITIAL REL.	DSN



**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: Jamnut 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 stright 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

	THIRD ANGLE PROJECTION		UNSPECIFIED TOLERANCE .X ± 0.38 .XX ± 0.25 ANGLE ± 1° UNIT-MILLIMETER	PC INDUSTRIAL ESTATE, BANGALORE, INDIA - 560079 PH : +91 6363911299 sales@ampmil.com www.ampmil.com
	DRAWN			
CHECKED	RHK	This document is the property of M/s. Ampmil Interconnect (P) Ltd., Rights of reproduction, utilization or disclosure to the third parties in any form whatsoever, is not allowed without the written consent of the Company.	DESCRIPTION MIL-DTL-38999 USB RECEPTACLE CONNECTOR FOR HARSH ENVIRONMENT	PART NUMBER AS-USB3-7S-A-03-G-ACROS (FOR XXX CONFIGURATION REFER ORDERING INFORMATION)
APR'VD	RPT			
DATE	DSN	SHEET: 1 OF 1	REV <b>A</b>	
SCALE - NTS	13-01-2026			