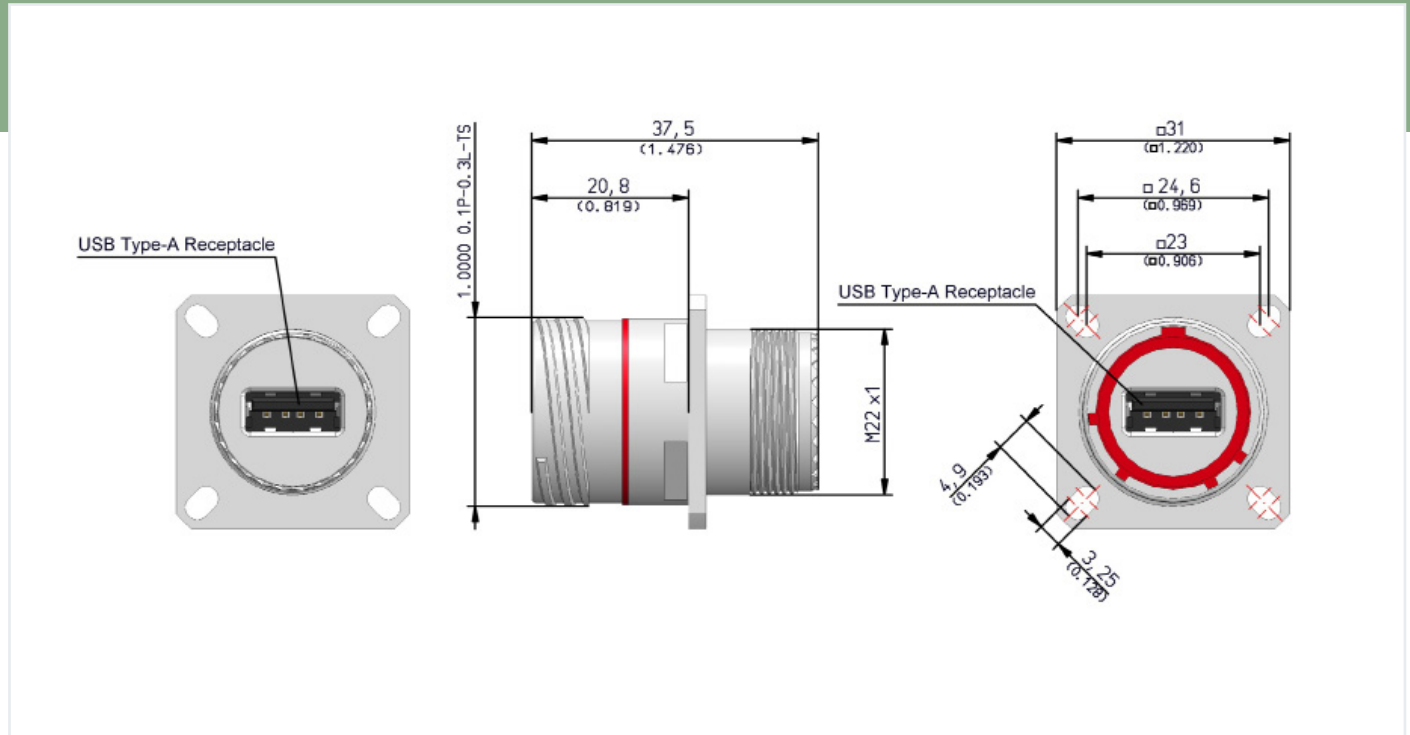


X2-SERIES – RUGGED USB CONNECTIONS

USB A FEEDTHROUGH – SQUARE FLANGE RECEPTACLE X2-9852



INFORMATION

All dimensions in
mm (inch) unless
otherwise specified.

Mates with

Shell derived from D38999

PN: X2-9852

Datasheet Version: 1.0

CATALOG:

Harsh Environment
Data Connectivity Solutions



Table A: Material & Plating

Material & Plating Code	Technical Design	ROHS-/REACH Compliant	Electrically Conductive	Salt Spray Resistance according to MIL spec.	Salt Spray Resistance according to VG spec.
V	Tin-Zinc grey Base material: Al-alloy Tin-Zinc over electroless Nickel	Yes	Yes	500 hrs	5 day cyclic
5	Electroless Nickel Base material: Al-alloy	Yes	Yes	48 hrs	n.a.
2	Zinc-Nickel black Coupling ring: Al-alloy, black anodized Shell: Zinc-Nickel black chromate over electroless Nickel	Yes	Yes	500 hrs	n.a.
6	Cadmium olive drab Coupling ring: Al-alloy, olive drab anodized Shell: Al-alloy Cadmium plated olive drab over electroless Nickel	No	Yes	500 hrs	5 day cyclic
9	Marine Bronze Base material: Marine Bronze CuAl10Ni5Fe4 (CW307G) Shotblast, nonreflective	Yes	Yes	n.a.	n.a.
1	Stainless Steel / passivated	Yes	Yes	n.a.	n.a.

Performance

Voltage Rating (V_BUS)	30 V
Current Rating (V_BUS)	1,8 A
Temperature	-40 °C to +85 °C
Mating cycles	>500
Compatible with	USB 3.2 Gen 1

Materials

USB A shell	Nickel plated
Housing	See option material
PCB	FR4, UL94V-0

For details about keyway polarization, USB A orientation and panel cut out see page 72-75 in the full „Harsh Environment Data Connectivity Solutions“ catalog.

How to order

Table X2-9852 15 5 N 0

Basic part number

Shell size

Material & plating code

A

Keyway polarization

5

USB A orientation

7

ORDER EXAMPLE X2-9852-15-5 N 0

USB A FEEDTHROUGH – SQUARE FLANGE

SIZE 15

ELECTROLESS NICKEL

KEYWAY = N (STANDARD)

USB A ORIENTATIONS = 0° (See drawing)

EMCA CONNECTOR SOLUTIONS GMBH

X2-9852 | Datasheet Version 1.0

SALES@EMCA-CONNECTOR.DE

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