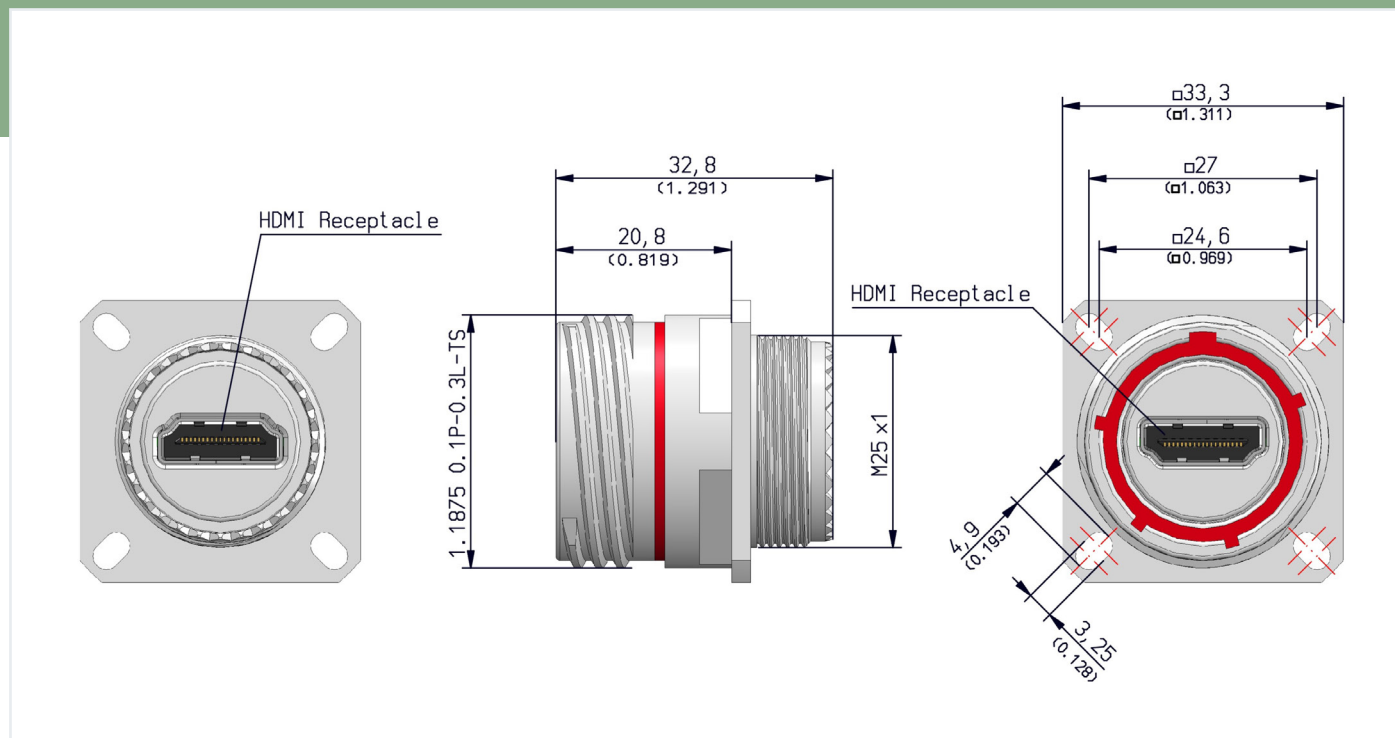


X3-SERIES - RUGGED HDMI CONNECTIONS

HDMI FEEDTHROUGH – SQUARE FLANGE RECEPTACLE X3-9828



INFORMATION

All dimensions in
mm (inch) unless
otherwise specified.

Mates with HDMI FTV

Shell derived from D38999

PN: X3-9828

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
VS	Tin-Zinc black 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 AC	40 V
Current rating	0,5 A
Temperature	-40 °C to +85 °C
Mating cycles	>500
HDMI Receptacles	HDMI 2.0
Pin mapping	1:1 (e.g. Pin1 : Pin1)

Materials

HDMI shield	Copper alloy
Contacts plating	Gold flash plating
Contacts	Copper alloy
Housing	See option material
PCB / Insert	FR4, UL94V-0

For details about keyway polarization and HDMI orientation see table 11 and 12.
The orientation of the backside HDMI will always rotate in sync with the orientation of the front-side HDMI.

How to order

Table X3-9828 17 5 N 0

Basic part number

Shell size

Material & plating code

A

Keyway polarization

11

HDMI orientation

12

ORDER EXAMPLE X3-9828-17-5N0

HDMI - SQUARE FLANGE

SIZE 17

ELECTROLESS NICKEL

KEYWAY = N (STANDARD)

HDMI POSITION = 0°

EMCA CONNECTOR SOLUTIONS GMBH

X3-9828 | Version 1.0

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