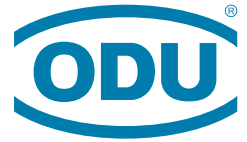


ODU AMC[®] HIGH-DENSITY WITH CHROME-PLATED SURFACE



ODU AMC[®] High-Density
with chrome-plated surface
is a miniature connector
solution designed for various
application types.



ODU AMC[®] HIGH-DENSITY CHROME-PLATED

This robust high-density connector solution is available in multiple sizes, termination types and contact inserts. Autoclavable option available.

The compact and lightweight connector ensures high reliability and easy handling. In shell diameters as small as 7 mm and up to 18.5 mm, providing a contact density of up to 40 contacts, the ODU AMC[®] High-Density offers several high density signal configurations and custom options for power (up to 15 A) and for high-speed data transmission in a very compact connector.

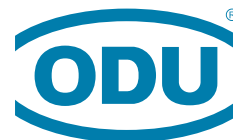
KEY FEATURES AND CUSTOMER BENEFITS

- + High-speed data transfer capability: USB[®] 3.2 Gen 1x1¹, USB[®] 2.0¹ and HDMI^{®1}
- + Autoclavable option available upon request
- + Robust and stable housing
- + Watertight protection IP6K8 – 2 m
- + Break-Away for quick and easy demating
- + Color-coded identification
- + Termination to PC-boards or rigid-flex solutions

¹ These ODU specific connectors can transmit common data transmission protocols such as USB[®] 3.2 Gen 1x1, USB[®] 2.0, and HDMI[®], but they are not USB[®]- and HDMI[®]-standard connectors.

ODU AMC[®] HIGH-DENSITY

TECHNICAL DETAILS



Size	Number of contacts	Max. current (Ampere) Single contact load	DVV Voltage ² (VDC)	Max. wire size soldercup	Data transfer capability
00	2	3	1.200	AWG 24	-
	4	1	900	AWG 28	-
	7	1	750		-
	U4	1 3		AWG 24 AWG 28	USB® 2.0 ¹
0	8	1	750	AWG 24	Ethernet CAT 6
	9	1 5		AWG 22 AWG 28	USB® 2.0 ¹ + Power
	12			AWG 22 AWG 28	USB® 3.2 Gen 1x1 ¹ + Power
	16	1		AWG 28	-
1	20	1 5	750	AWG 22 AWG 28	-
	27	1		AWG 28	HDMI® ¹
1.5	40	1	750	AWG 28	-

¹ These ODU specific connectors can transmit common data transmission protocols such as USB[®] 2.0, USB[®] 3.1 Gen 1x1, and HDMI[®], but they are not USB[®]- and HDMI[®]-standard connectors.

² SAE AS 13441:2004 method 3001.1

SILICONE-OVERMOLDED SYSTEM SOLUTION

Applications in extreme environmental factors are often exposed to strong mechanical and chemical influences. ODU offers a flexible complete system consisting of connectors, cables with matching assembly and optional labelling. The complete connector solution is fully customized to the customer specifications..

ODU relies on many years of cooperation with leading cable manufacturers in different sectors. ODU also takes care of testing and documentation – therefore we supply a complete system solution.

KEY FEATURES

- + Secondary silicone surface treatment – optional
- + Autoclavable
- + Bend protection and smooth transitioning overmolding

