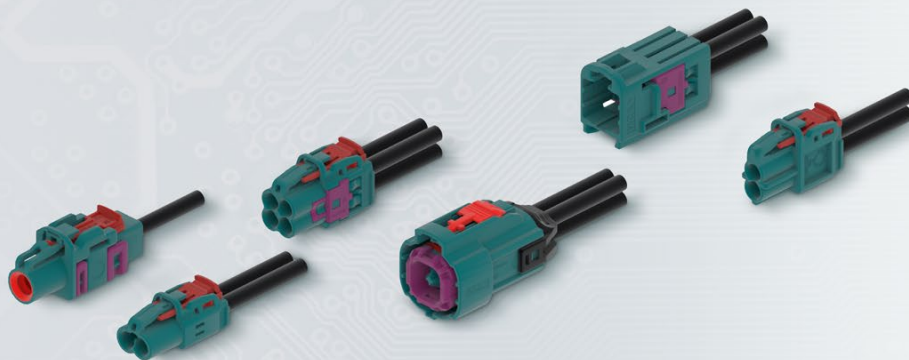




HIGH SPEED COMPONENTS & ASSEMBLIES

MINI COAX AUTOMOTIVE / MCA-B



BENEFITS

- Industry standard interface and cavity compatible
- Flexible design to support multiple connector variants and integration into mixed connectors
- Advanced automotive data transmission performance, supporting up to 9 GHz
- Compact and reliable high speed system offers up to 80% reduction in package size



FEATURES

- Full protection of inner terminal contacts against stubbing / damage
- Proprietary outer crimp over braid design for improved mechanical strength and RF performance
- Robust locking surface for improved terminal-to-cavity retention
- Optional CPA
- Patent-pending wedge ISL reinforces primary lock ensuring signal integrity performance
- Robust multiple key codes
- Indexing features for axial alignment for terminal sub-assembly

TECHNICAL CHARACTERISTICS

Max Temperature	T2 (-40 °C to +105 °C)
Industry Compliance	USCAR-2, USCAR-17, USCAR-49
Vibration Class	V1
Degree of Protection	S1 (unsealed version), S3 (sealed)
Standard	USCAR

ADDITIONAL MECHANICAL CHARACTERISTICS

Interface Definition	888-S-001-1-Z02 (1P) USCAR 888-S-004-2-Z02 (4P)
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ADDITIONAL ELECTRICAL CHARACTERISTICS

Frequency Range	9 GHz (cable limitation), designed for 15 GHz	
Impedance	50 Ω	
Return Loss	$0.01 < f \leq 2$	≤ -17.5 dB
	$2 < f \leq 6$	≤ -14 dB
	$6 < f \leq 7$	≤ -12 dB
	$7 < f \leq 9$	≤ -10 dB
Cable Type	RG174, RTK031, RTK044	

AVAILABLE CONFIGURATIONS

Cavity count (ports)	1, 2, 4
Genders	Female, Male
Sealing Type	Mat-sealed
Indexes	A, B, C, D and Z, all USCAR indexes
Terminal Position Assurance (TPA) Type	ISL - Unsealed; Sealed - ISL or PLR dep. # of ports
Connector Position Assurance (CPA)	Optional

REPRESENTATIVE PART NUMBERS

	Type	Gender	CPA Option	Clipslot	Dimensions (W x H x D)	Part number	Index	Color	Plating	Other Plating Available	Other Indexes offered	USCAR Footprint
HOUSINGS	1 Port Unsealed 180°	F	Yes	No	22.3 x 8.0 x 10.5	35602195	A	Black	-	-	B-N, Z	888-U-001-1-Z02
	2 Port Unsealed 180°	F	Yes	No	22.3 x 10.7 x 10.6	35602237	A	Black	-	-	B-N, Z	888-U-002-1-Z02
	2 Port Unsealed 180° Vertical	F	Yes	No	22.3 x 8.5 x 15.0	35602523	A	Black	-	-	B-F, Z	888-U-002-2-Z02
	4 Port Unsealed 180°	F	Yes	No	22.3 x 11.1 x 14.6	35602537	A	Black	-	-	B-G, Z	888-U-004-2-Z02
	1 Port Unsealed 90°	F	Yes	No	19.5 x 9.5 x 12.1	35793824	A	Black	-	-	B-N, Z	888-U-001-1-Z02
	1 Port Sealed 180° RG174	F	Yes	No	30.6 x 10.4 x 14.6	35812563	A	Black	-	-	B-N, Z	888-S-001-1-Z02
	1 Port Sealed 180° RTK031/044	F	Yes	No	30.6 x 10.4 x 14.6	35823200	A	Black	-	-	B-N, Z	888-S-001-1-Z02
	4 Port Sealed 180° RG174	F	Yes	No	38.6 x 22.0 x 24.6	35798317	A	Black	-	-	B-N, Z	888-S-004-2-Z02
	4 Port Sealed 180° RTK031/044	F	Yes	No	38.6 x 22.0 x 24.6	35827653	A	Black	-	-	B-N, Z	888-S-004-2-Z02
	1 Port Unsealed 180°	M	No	No	25.2 x 9.1 x 10.6	35602681	A	Black	-	-	B-N, Z	888-U-001-1-Z02
	1 Port Unsealed 180°	M	No	7 mm	25.2 x 9.1 x 10.6	35602652	A	Black	-	-	B-N, Z	888-U-001-1-Z02
	2 Port Unsealed 180°	M	No	No	25.2 x 12.6 x 11.4	35602614	A	Black	-	-	B-N, Z	888-U-002-1-Z02
	2 Port Unsealed 180°	M	No	7 mm	25.2 x 12.6 x 11.4	35602626	A	Black	-	-	B-N, Z	888-U-002-1-Z02
	2 Port Unsealed 180°	M	No	11 mm	25.2 x 12.6 x 11.4	35602638	A	Black	-	-	B-N, Z	888-U-002-1-Z02
	4 Port Unsealed 180°	M	No	No	25.2 x 14.8 x 15.0	35602608	A	Black	-	-	B-G, Z	888-U-004-2-Z03
	4 Port Unsealed 180°	M	No	7 mm	25.2 x 14.8 x 15.0	35602594	A	Black	-	-	B-G, Z	888-U-004-2-Z03
	4 Port Unsealed 180°	M	No	11 mm	25.2 x 14.8 x 15.0	35602601	A	Black	-	-	B-G, Z	888-U-004-2-Z03
	1 Port Sealed 180° RG174	M	No	No	36.8 x 10.6 x 13.1	35827647	A	Black	-	-	B-G, Z	888-S-001-1-Z02
	1 Port Sealed 180° RG174	M	No	7 mm	36.8 x 10.6 x 13.1	35812590	A	Black	-	-	B-G, Z	888-S-001-1-Z02
	1 Port Sealed 180° RTK031/044	M	No	No	36.8 x 10.6 x 13.1	35827745	A	Black	-	-	B-G, Z	888-S-001-1-Z02
	1 Port Sealed 180° RTK031/044	M	No	7 mm	36.8 x 10.6 x 13.1	35827621	A	Black	-	-	B-G, Z	888-S-001-1-Z02
	4 Port Sealed 180° RG174	M	No	No	46.2 x 20.4 x 20.2	35827666	A	Black	-	-	B-G, Z	888-S-004-2-Z02
	4 Port Sealed 180° RG174	M	No	7 mm	46.2 x 20.4 x 20.2	35798334	A	Black	-	-	B-G, Z	888-S-004-2-Z02
	4 Port Sealed 180° RTK031/044	M	No	No	46.2 x 20.4 x 20.2	35827690	A	Black	-	-	B-G, Z	888-S-004-2-Z02
	4 Port Sealed 180° RTK031/044	M	No	7 mm	46.2 x 20.4 x 20.2	35827703	A	Black	-	-	B-G, Z	888-S-004-2-Z02
HEADERS	1 Port Unsealed 90°	M	-	-	18.75 x 9.1 x 10.9	35875590	A	Black	Ag	Au	B-N, Z	-
	2 Port Unsealed 90°	M	-	-	18.85 x 12.6 x 11.5	35875629	A	Black	Ag	Au	B-N, Z	-
	2 Port Unsealed 90° Vertical	M	-	-	22.55 x 9.1 x 11.85	35879706	A	Black	Ag	Au	B-F, Z	-
	4 Port Unsealed 90°	M	-	-	22.5 x 12.0 x 14.8	35838091	A	Black	Ag	Au	B-G, Z	-
	4 Port Unsealed 180°	M	-	-	17.3 x 12.0 x 15.0	35894560	A	Black	Ag	Au	B-G, Z	-

COMPATIBLE TERMINALS

Female 180	35552926		35552927 35572194		35552928 35776828	
Wire Type	RG174		RTK031		RTK044	
Plating	Ag		Ag		Ag	
Male 180	35594221		35586481 35594223		35776830 35586482	
Female 90	35777427	35777432	35777425 35777426	35777430 35777431	35777424	35777429
Part	Short Long		Short Long		Short Long	
Wire Type	RG174		RTK031		RTK044	
Plating	Ag		Ag		Ag	

REQUIRED AND/OR OPTIONAL ACCESSORIES

Type	Color	Part number	Type	Color	Part number
CPA	Red	35601696	1 Port Dress Cover 90°	Black	35838628
1 Port Dress Cover	Black	35755946	1 Port CPA - Unsealed 90°	Red	35793833
2 Port Dress Cover	Black	35755947	1 Port CPA - Sealed 180°	Red	35453737
2 Port Vertical Dress Cover	Black	35755951	4 Port CPA - Sealed 180°	Red	33224253
4 Port Dress Cover	Black	35755952			