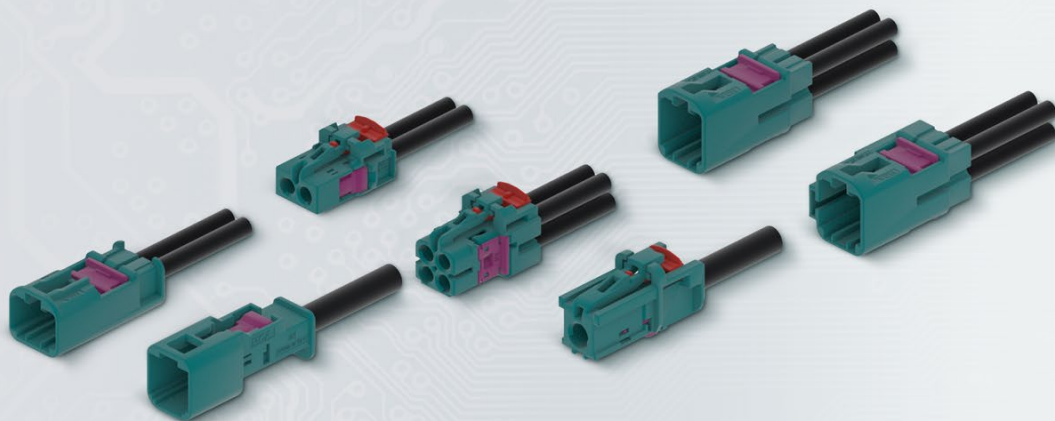




HIGH SPEED COMPONENTS & ASSEMBLIES

MINI COAX AUTOMOTIVE / MCA-A



BENEFITS

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



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
- Compact and ergonomic package size
- Robust multiple key codes

TECHNICAL CHARACTERISTICS

Max Temperature	105°C (Cable dependent)
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	USCAR 888-U-001-1-Z03 USCAR 888-S-001-1-Z03
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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), PLR (Sealed)
Connector Position Assurance (CPA)	Optional

REPRESENTATIVE PART NUMBERS

HOUSINGS

Type	Gender	CPA Option	Male Clipslot	Dimensions (W x H x D)	Part number	Index	Color	Plating	Other Indexes offered	USCAR Footprint
1 Port Unsealed 180°	F	Yes	-	18.8 x 7.9 x 10.7	35477650	A	Black	-	B-M, Z	888-U-001-1-Z03
2 Port Unsealed 180°	F	Yes	-	18.8 x 12.0 x 10.4	35477654	A	Black	-	B-F, Z	888-U-002-1-Z03
4 Port Unsealed 180°	F	Yes	-	20.0 x 11.7 x 14.0	35592334	A	Black	-	B-F, Z	888-U-004-2-Z03
1 Port Unsealed 90°	F	Yes	-	18.0 x 9.0 x 10.4	35784410	A	Black	-	B-M, Z	888-U-001-1-Z03
2 Port Unsealed 90°	F	Yes	-	18.0 x 12.0 x 10.4	35773252	A	Black	-	B-F, Z	888-U-002-1-Z03
4 Port Unsealed 90°	F	Yes	-	19.5 x 11.2 x 14.1	35773273	A	Black	-	B-F, Z	888-U-004-2-Z03
1 Port Sealed 180° RG174	F	Yes	-	28.9 x 10.3 x 16.6	35755892	A	Black	-	B-F, Z	888-S-001-1-Z03
1 Port Sealed 180° RTK031/044	F	Yes	-	28.9 x 10.3 x 16.6	35761781	A	Black	-	B-F, Z	888-S-001-1-Z03
1 Port Sealed 90° RG174	F	Yes	-	18.6 x 10.3 x 28.8	35773538	A	Black	-	B-F, Z	888-S-001-1-Z03
1 Port Sealed 90° RTK031/044	F	Yes	-	18.6 x 10.3 x 28.8	35830290	A	Black	-	B-F, Z	888-S-001-1-Z03
1 Port Unsealed 180°	M	No	7 mm	25.7 x 11.4 x 10.4	35521020	A	Black	-	B-M, Z	888-U-001-1-Z03
2 Port Unsealed 180°	M	No	7 mm	26.0 x 12.0 x 13.0	35521163	A	Black	-	B-F, Z	888-U-002-1-Z03
4 Port Unsealed 180°	M	No	7 mm	27.0 x 15.3 x 14.4	35592357	A	Black	-	B-F, Z	888-U-004-2-Z03

HEADERS

1 Port Unsealed 90°	M	-	-	18.3 x 9.1 x 10.75	35876856	A	Black	Ag	B-F, Z	888-U-001-1-Z03
2 Port Unsealed 90°	M	-	-	23.25 x 12.0 x 10.75	35876886	A	Black	Ag	B-F, Z	888-U-002-1-Z03
4 Port Unsealed 90°	M	-	-	24.25 x 12.0 x 14.45	35839349	A	Black	Ag	B-F, Z	888-U-004-2-Z03
4 Port Unsealed 180° Pitch 6.8 x 6.8	M	-	-	19.25 x 12.0 x 14.45	35894299	A	Black	Ag	B-F, Z	-
4 Port Unsealed 180° Pitch 8.7 x 6.4	M	-	-	19.25 x 12.0 x 14.45	35891593	A	Black	Ag	B-F, Z	-
4 Port Sealed 90°	M	-	-	36.35 x 27.0 x 20.75	35677441	A	Black	Au	B-F, Z	888-S-004-2-Z03

*Gold plating also available.

COMPATIBLE TERMINALS

Female 180	35509006 35575213	35700132 35700133	35700134
Wire Type	RG174	RTK031	RTK044
Plating	Ag	Ag	Ag

Male 180	35601266	35700149 35700150	35700151
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Female 90	35777417 35777418	35777422 35777423	35777415 35777416	35777420 35777421	35777414	35777419
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
CPA	Red	35477661