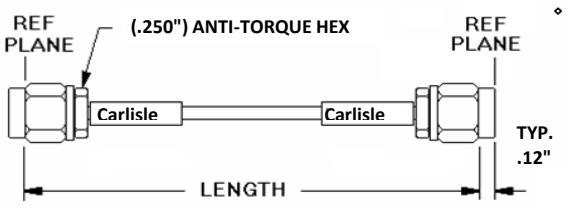
CARLISLE INTERCONNECT TECHNOLOGIES
CABLE ASSEMBLY

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.7	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	39	27	19	15	10	8



MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.112	INCHES
MIN. BEND RADIUS (ONE TIME):	0.15	INCHES
PREFERRED BEND RADIUS:	0.40	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				PRODUCT MAXIMUM S11 AND S22 CHARACTERISTICS						PRODUCT MAXIMUM S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	DELAY nS	CM
1-3636-620- 5202	D	2.0	0.05	0.2	1.05	1.08	1.13	1.15	1.18	1.28	0.10	0.13	0.18	0.22	0.31	0.40	0.24	5.08
1-3636-620- 5203	D	3.0	0.05	0.2	1.05	1.08	1.13	1.15	1.18	1.28	0.12	0.16	0.22	0.27	0.38	0.50	0.36	7.62
1-3636-620- 5204	D	4.0	0.05	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.14	0.18	0.26	0.32	0.46	0.60	0.48	10.16
1-3636-620- 5205	D	5.0	0.05	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.16	0.21	0.30	0.37	0.53	0.69	0.60	12.70
1-3636-620- 5206	D	6.0	0.10	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.17	0.24	0.34	0.42	0.61	0.79	0.72	15.24
1-3636-620- 5207	D	7.0	0.10	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.19	0.27	0.38	0.47	0.69	0.89	0.84	17.78
1-3636-620- 5208	D	8.0	0.10	0.3	1.05	1.08	1.13	1.15	1.18	1.28	0.21	0.29	0.42	0.52	0.76	0.99	0.96	20.32
1-3636-620- 5209	D	9.0	0.10	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.23	0.32	0.46	0.57	0.84	1.08	1.08	22.86
1-3636-620- 5210	D	10.0	0.10	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.25	0.35	0.50	0.62	0.92	1.18	1.20	25.40
1-3636-620- 5211	D	11.0	0.15	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.27	0.38	0.55	0.67	0.99	1.28	1.32	27.94
1-3636-620- 5212	D	12.0	0.15	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.29	0.40	0.59	0.72	1.07	1.37	1.44	30.48
1-3636-620- 5213	D	13.0	0.15	0.4	1.05	1.08	1.13	1.15	1.18	1.28	0.31	0.43	0.63	0.77	1.14	1.47	1.56	33.02
1-3636-620- 5214	D	14.0	0.15	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.33	0.46	0.67	0.83	1.22	1.57	1.68	35.56
1-3636-620- 5215	D	15.0	0.15	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.35	0.49	0.71	0.88	1.30	1.67	1.80	38.10
1-3636-620- 5216	D	16.0	0.20	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.36	0.51	0.75	0.93	1.37	1.76	1.92	40.64
1-3636-620- 5217	D	17.0	0.20	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.38	0.54	0.79	0.98	1.45	1.86	2.04	43.18
1-3636-620- 5218	D	18.0	0.20	0.5	1.05	1.08	1.13	1.15	1.18	1.28	0.40	0.57	0.83	1.03	1.52	1.96	2.16	45.72
1-3636-620- 5219	D	19.0	0.20	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.42	0.60	0.87	1.08	1.60	2.05	2.28	48.26
1-3636-620- 5220	D	20.0	0.20	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.44	0.62	0.91	1.13	1.68	2.15	2.40	50.80
1-3636-620- 5221	D	21.0	0.21	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.46	0.65	0.95	1.18	1.75	2.25	2.52	53.34
1-3636-620- 5222	D	22.0	0.22	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.48	0.68	0.99	1.23	1.83	2.35	2.64	55.88
1-3636-620- 5223	D	23.0	0.23	0.6	1.05	1.08	1.13	1.15	1.18	1.28	0.50	0.71	1.03	1.28	1.91	2.44	2.76	58.42
1-3636-620- 5224	D	24.0	0.24	0.7	1.05	1.08	1.13	1.15	1.18	1.28	0.52	0.74	1.07	1.33	1.98	2.54	2.88	60.96
1-3636-620- 5225		25.0	0.25	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.76	1.11	1.39	2.06	2.64	3.00	63.50
1-3636-620- 5226		26.0	0.26	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.79	1.15	1.44	2.13	2.73	3.12	66.04
1-3636-620- 5227		27.0	0.27	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.19	1.49	2.21	2.83	3.24	68.58
1-3636-620- 5228		28.0	0.28	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.59	0.85	1.23	1.54	2.29	2.93	3.36	71.12
1-3636-620- 5229		29.0	0.29	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.61	0.87	1.27	1.59	2.36	3.03	3.48	73.66
1-3636-620- 5230	D	30.0	0.30	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.63	0.90	1.31	1.64	2.44	3.12	3.60	76.20
1-3636-620- 5231		31.0	0.31	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.65	0.93	1.35	1.69	2.51	3.22	3.71	78.74
1-3636-620- 5232		32.0	0.32	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.67	0.96	1.39	1.74	2.59	3.32	3.83	81.28
1-3636-620- 5233		33.0	0.33	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.69	0.98	1.44	1.79	2.67	3.42	3.95	83.82
1-3636-620- 5234		34.0	0.34	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.01	1.48	1.84	2.74	3.51	4.07	86.36
1-3636-620- 5235		35.0	0.35	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.73	1.04	1.52	1.89	2.82	3.61	4.19	88.90
1-3636-620- 5236	D	36.0	0.36	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.07	1.56	1.95	2.90	3.71	4.31	91.44
1-3636-620- 5237		37.0	0.37	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.09	1.60	2.00	2.97	3.80	4.43	93.98
1-3636-620- 5238		38.0	0.38	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.12	1.64	2.05	3.05	3.90	4.55	96.52
1-3636-620- 5239		39.0	0.39	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.15	1.68	2.10	3.12	4.00	4.67	99.06
1-3636-620- 5240		40.0	0.40	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.18	1.72	2.15	3.20	4.10	4.79	101.60
1-3636-620- 5241		41.0	0.41	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.21	1.76	2.20	3.28	4.19	4.91	104.14
1-3636-620- 5242		42.0	0.42	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.23	1.80	2.25	3.35	4.29	5.03	106.68
1-3636-620- 5245		45.0	0.45	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.32	1.92	2.40	3.58	4.58	5.39	114.30
1-3636-620- 5246		46.0	0.46	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.94	1.34	1.96	2.45	3.66	4.68	5.51	116.84
1-3636-620- 5248	D	48.0	0.48	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.40	2.04	2.56	3.81	4.87	5.75	121.92
1-3636-620- 5254		54.0	0.54	1.3	1.10	1.15	1.20	1.25	1.30	1.35	1.09	1.56	2.29	2.86	4.27	5.46	6.47	137.16
1-3636-620- 5260		60.0	0.60	1.4	1.10	1.15	1.20	1.25	1.30	1.35	1.20	1.73	2.53	3.17	4.72	6.04	7.19	152.40
1-3636-620- 5266		66.0	0.66	1.5	1.10	1.15	1.20	1.25	1.30	1.35	1.32	1.90	2.77	3.47	5.18	6.62	7.91	167.64
1-3636-620- 5272		72.0	0.72	1.6	1.10	1.15	1.20	1.25	1.30	1.35	1.43	2.06	3.01	3.78	5.64	7.21	8.63	182.88
1-3636-620- 5284		84.0	0.84	1.9	1.10	1.15	1.20	1.25	1.30	1.35	1.66	2.39	3.50	4.39	6.55	8.37	10.07	213.36
1-3636-620- 5296		96.0	0.96	2.1	1.10	1.15	1.20	1.25	1.30	1.35	1.89	2.72	3.98	5.00	7.46	9.54	11.50	243.84
1-3636-620- 5299		99.0	0.99	2.2	1.10	1.15	1.20	1.25	1.30	1.35	1.94	2.81	4.11	5.15	7.69	9.83	11.86	251.46
2-3636-620- 5209		108.0	1.08	2.3	1.10	1.15	1.20	1.25	1.30	1.35	2.12	3.06	4.47	5.61	8.38	10.71	12.94	274.32
2-3636-620- 5210		120.0	1.20	2.6	1.10	1.15	1.20	1.25	1.30	1.35	2.34	3.39	4.96	6.22	9.29	11.87	14.38	304.80
2-3636-620- 5212		144.0	1.44	3.1	1.10	1.15	1.20	1.25	1.30	1.35	2.80	4.05	5.93	7.44	11.12	14.21	17.26	365.76
2-3636-620- 5215		180.0	1.80	3.8	1.10	1.15	1.20	1.25	1.30	1.35	3.49	5.04	7.38	9.27	13.86	17.71	21.57	457.20

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM ONLY

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

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