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D	P/N	APPLICABLE NOTE(S)	CABLE TYPE(S)	Ø A	FIGURE(S)	REVISION HISTORY					D						
						ECO	REV.	DESCRIPTION	DRAWN BY	DATE							
	P651-1CC	1,6	Ø .047 SEMI-RIGID CABLE	.049 MIN	3	32314	P	ADD -5 THRU -11CC	DKN	04.26.17							
	P651-2CC	2,6	Ø .085 SEMI-RIGID CABLE	.085 MIN	1	202352	R	CHG TO NEW NAME	DKN	11.25.24							
	P651-3CC	1,6	Ø .047 MICROPOROUS CABLE	.047 MIN	3	203003	AC	MATCH REV. W/ASSY DWG	DKN	02.12.25							
	P651-4CC	2,6	Ø .085 MICROPOROUS CABLE	.085 MIN	1	205815	AD	REDRAWN IN SW	PAW	07.23.26							
	P651-5CC	1,6	Ø .047 SEMI-RIGID CABLE	.047 MIN	4												
	P651-6CC	2,6	Ø .085 SEMI-RIGID CABLE	.085 MIN	2												
	P651-7CC	1,6	Ø .047 MICROPOROUS CABLE	.047 MIN	4												
	P651-8CC	2,6	Ø .085 MICROPOROUS CABLE	.085 MIN	2												
	P651-9CC	3,4,6	Ø .085 MICROPOROUS CABLE	.085 MIN	1												
C	P651-10CC	3,4,6	Ø .085 SEMI-RIGID CABLE	.085 MIN	1												
	P651-11CC	1,5,6	Ø .047 SEMI-RIGID CABLE	.049 MIN	3												
	NOTE(S):					SEE SHEET 2 OF 2 FOR CONFIGURATIONS											
	1. CENTER CONDUCTOR AND DIELECTRIC STOP TO BE PACKAGED AND SHIPPED UNASSEMBLED.																
2. CENTER CONDUCTOR TO BE PACKAGED AND SHIPPED UNASSEMBLED.																	
3. MECHANICALLY CAPTIVATED CONTACT.																	
B	4. PART NO. P651-9CC AND -10CC ARE FOR LOW FREQUENCY APPLICATION ONLY.					SEE SHEET 2 OF 2 FOR CONFIGURATIONS											
	4.1 FREQUENCY RANGE DC TO 6.0 GHz.																
	5. ANTI-ROCK RING TO BE PACKAGED AND SHIPPED UNASSEMBLED.																
	6. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.																
	MATERIAL(S):		ELECTRICAL(S):		MECHANICAL(S):						ENVIROMENTAL(S):						
	BODY & CENTER CONDUCTOR: BeCu ALLOY PER ASTM B-196. INSULATOR: PTFE PER ASTM D-1710. DIELECTRIC STOP: ** TORLON PER MIL-P-46179A.		IMPEDANCE: 50 OHMS NOMINAL. FREQUENCY RANGE: DC TO 40.0 GHz. VSWR: 1.05 + .005 f(GHz). INSERTION LOSS: .05 √f(GHz) dB. WORKING VOLTAGE: 335 Vrms MAX @SEA LEVEL 65 Vrms @ 70,000 ft. DIELECTRIC WITHSTANDING VOLTAGE: 500 Vrms. MIN @ SEA LEVEL 125 Vrms @ 70,000 ft. R.F. HIPOT VOLTAGE: 325 Vrms MIN @ 5 MHz. CORONA LEVEL: 190 Vrms @ 70,000 ft. INSULATION RESISTANCE: 5,000 MEGOHMS. CONTACT RESISTANCE: CENTER CONTACT: 6.0 mOHMS. OUTER CONTACT: 2.0 mOHMS. PERMEABILITY: LESS THAN 2.0 mu. R.F. LEAKAGE: -80 dB MIN DC TO 3.0 GHz.		MATING CHARACTERISTICS: INTERFACE PER MIL-STD-348. CONNECTOR DURABILITY: FULL DETENT: 100 CYCLES MIN. LIMITED DETENT: 500 CYCLES MIN. SMOOTH BORE: 1,000 CYCLES MIN. CENTER CONTACT RETENTION: AXIAL FORCE: 1.5 POUNDS MIN. FORCE TO ENGAGE: FULL DETENT: 15 lbs MAX. LIMITED DETENT: 10 lbs MAX. SMOOTH BORE: 2 lbs MAX. FORCE TO DISENGAGE: FULL DETENT: 5 lbs MAX. LIMITED DETENT: 2 lbs MAX. SMOOTH BORE: .5 lbs MAX.						TEMPERATURE RANGE: -65°C TO +165 °C. THERMAL SHOCK: MIL-STD-202, METHOD 107, TEST COND. B, EXCEPT HIGH TEMP TO BE +165 °C OR MAXIMUM HIGH TEMP OF THE CABLE. MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B SHALL BE OMITTED. INSULATION RESISTANCE SHALL BE 1,000 MEGOHMS WITHIN 5 MINUTES AFTER REMOVAL FROM HUMIDITY. CORROSION: MIL-STD-202, METHOD 101, TEST COND. B. VIBRATION: MIL-STD-202, METHOD 204, TEST COND. D. SHOCK: MIL-STD-202, METHOD 213, TEST COND. I.						
	** APPLICABLE TO Ø .047 CABLES ONLY.		-65 dB MIN FROM 3.5 TO 26.5 GHz.														
	FINISH(ES):										TOLERANCES AND NOTES EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 / .XXX ±.005 FRACTION ± 1/32 ANGULAR ± 1/2° 1. INTERPRET DRAWING PER ASME Y14.5 - 2018 2. MACHINE FINISH: 63 RMS 3. BREAK ALL SHARP EDGES .003 MAX. 4. MACHINED SURFACES SQUARE TO RESPECT- IVE AXIS WITHIN .005 INCHES PER INCH. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R. 6. DIMENSIONS TO BE MET AFTER PLATING. 7. CHAMFER ALL THREADS 45°. 8. THREADS PER H-28 9. REMOVE FRAYED EDGES ON TEFLON. 10.REMOVE ALL BURRS.		-		-		
	BODY,CENTER CONDUCTOR, & ANTI-ROCK RING: GOLD PLATE PER ASTM B-488, TYPE II, CODE C, CLASS 1.25, OVER NICKEL UNDER PLATE PER SAE-AMS-QQ-N-290, CLASS 1.										APPROVAL INITIALS DATE DRAWN BY BRD 11/09/93		MATERIAL		SPECIFICATION		PROCUREMENT
											SEE ECO FOR APPROVAL SIGNATURES				Amphenol 12900 Alondra Blvd. Cerritos, CA 90703		
													TITLE SMP FEMALE STRAIGHT TO SEMI-RIGID OR LOW LOSS CABLE				
							SCALE 10:1		SHEET 1 OF 2								
							SIZE C CAGE CODE 30990 DRAWING NO. P651		REV. AD								
ENG-SW REV. L		4	3		2			1									

