



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN L. VARELA - 11-16-04	TE Connectivity	
DIMENSIONS: INCHES		CHK J. GERACE	PLUG ASSEMBLY, METAL SHELL, SIZE 4, 37 POSITION, SERIES HDE-20 FOR MASS TERMINATION	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APRD M. WALMSLEY	NAME	RESTRICTED TO
0. PLC	± .005	PRODUCT SPEC	108-40011	
1. PLC	± .005	APPLICATION SPEC	114-40002	
2. PLC	± .005	SIZE	A1	
3. PLC	± .005	CAGE CODE	00779	
4. PLC	± .005	DRAWING NO	745498	
ANGLES	± .2°	WEIGHT	-	
FINISH	SEE TABLE	CUSTOMER DRAWING	SCALE 4:1	SHEET 1 OF 2

LOC	DIST	REVISIONS				
GP	00	REV	DATE	BY	APPV	
-	-	1	SEE SHEET 1	-	-	

- 1 HOUSING FULLY LOADED WITH CONTACTS.
- 2 NUMBER ON CONTACT INDICATES WIRE RANGE.
- 3 CONTACT INSULATION RANGE: .060 MAXIMUM O.D.
- 4 CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, .000030 MIN GOLD IN MATED AREA, .000100-.000200 BRIGHT TIN OR BRIGHT TIN-LEAD IN AREA SHOWN, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
OR
CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, GOLD FLASH OVER .000030 MIN PALLADIUM-NICKEL IN MATED AREA, .000100-.000200 BRIGHT TIN OR BRIGHT TIN-LEAD IN AREA SHOWN, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
- 5 GOLD PLATED FOR LENGTH OF .150 MIN FROM MATING END, GOLD FLASH IN MATED AREA. .000100-.000200 BRIGHT TIN OR BRIGHT IN TIN-LEAD AREA SHOWN. .000030 NICKEL UNDERPLATE ON ENTIRE CONTACT.
- 6 GOLD PLATED FOR LENGTH OF .150 MIN FROM MATING END, .000050 MIN GOLD IN MATED AREA, .000100-.000200 BRIGHT TIN OR BRIGHT IN TIN-LEAD AREA SHOWN. .000050 NICKEL UNDERPLATE ON ENTIRE CONTACT.
- 7 SPECIAL DATE CODE IN THIS APPROXIMATE AREA.
A; MM = MONTH; Y = LAST DIGIT OF YEAR.
- 8 CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, .000030 MIN GOLD IN MATED AREA, .000100-.000200 MATTE TIN IN AREA SHOWN, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
OR
CONTACTS GOLD PLATED FOR A LENGTH OF .150 MIN FROM MATING END, GOLD FLASH OVER PALLADIUM-NICKEL, .000030 MIN TOTAL IN MATED AREA, .000100-.000200 MATTE TIN IN AREA SHOWN, ALL OVER .000050 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
- 9 CONTACTS PLATED GOLD FLASH FOR A LENGTH OF .150 MIN FROM MATING END, .000100-.000200 MATTE TIN IN AREA SHOWN, ALL OVER .000030 MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.

AWG	WIRE RANGE	CONTACT FINISH	CONTACT	WIRE RANGE	PART NUMBER
OBSOLETE	.125 .115	9	3	#20-22	1-745498-8
	.125 .115	9	2	#22-26	1-745498-7
	.125 .115	8	1	#26-30	1-745498-6
	.125 .115	8	2	#22-26	1-745498-5
9	.125 .115	6	2	#22-26	1-745498-3
OBSOLETE	.156	5	3	#20-22	1-745498-2
OBSOLETE	.146	5	2	#22-26	1-745498-1
OBSOLETE			1	#26-30	1-745498-0
OBSOLETE	.156	4	3	#20-22	745498-9
OBSOLETE	.146	4	2	#22-26	745498-8
OBSOLETE			1	#26-30	745498-7
OBSOLETE	.125	5	3	#20-22	745498-6
OBSOLETE	.115	5	2	#22-26	745498-5
SUPERSEDED BY 745498-1			1	#26-30	745498-4
OBSOLETE	.125	4	3	#20-22	745498-3
OBSOLETE	.115	4	2	#22-26	745498-2
OBSOLETE			1	#26-30	745498-1

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DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPROVED: M. WALMSLEY 11-16-04	
0 PLC ± -		1 PLC ± -		NAME: PLUG ASSEMBLY,	
1 PLC ± -		2 PLC ± -		METAL SHELL, SIZE 4, 37 POSITION,	
2 PLC ± -		3 PLC ± .005		SERIES HDE-20 FOR MASS TERMINATION	
3 PLC ± -		4 PLC ± -		PRODUCT SPEC: 108-40011	
4 PLC ± -		ANGLES ± °		APPLICATION SPEC: 114-40002	
MATERIAL: SEE CALL OUT		FINISH: SEE TABLE		SIZE: A1	
		WEIGHT: -		CAGE CODE: 00779	
		CUSTOMER DRAWING		DRAWING NO: 745498	
		SCALE: 4:1		SHEET 2 OF 2	
				REV: U1	