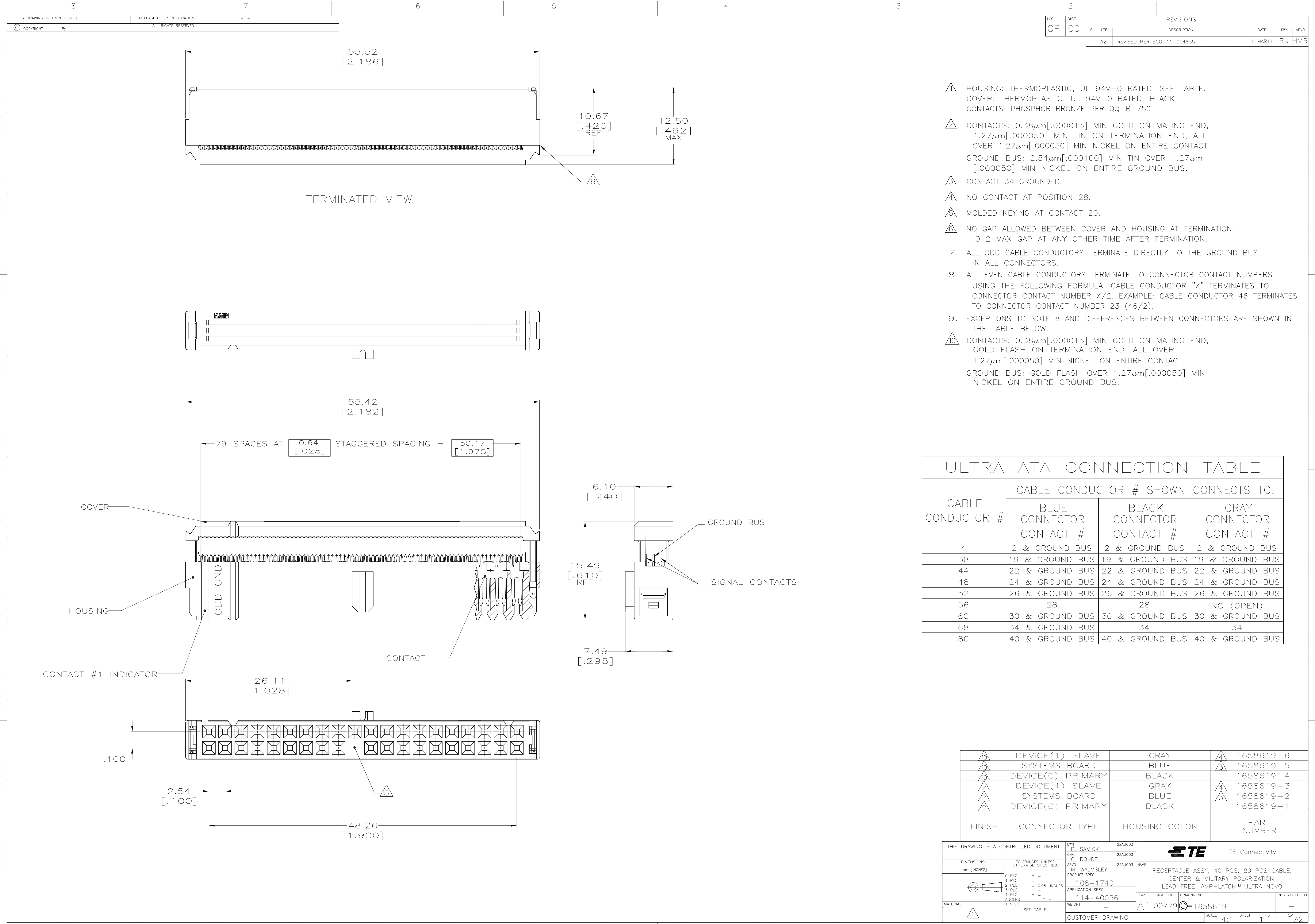




1. HOUSING: THERMOPLASTIC, UL 94V-0 RATED, SEE TABLE.
COVER: THERMOPLASTIC, UL 94V-0 RATED, BLACK.
CONTACTS: PHOSPHOR BRONZE PER QQ-B-750.
2. CONTACTS: 0.38μm[.000015] MIN GOLD ON MATING END, 1.27μm[.000050] MIN TIN ON TERMINATION END, ALL OVER 1.27μm[.000050] MIN NICKEL ON ENTIRE CONTACT.
GROUND BUS: 2.54μm[.000100] MIN TIN OVER 1.27μm[.000050] MIN NICKEL ON ENTIRE GROUND BUS.
3. CONTACT 34 GROUNDED.
4. NO CONTACT AT POSITION 28.
5. MOLDED KEYING AT CONTACT 20.
6. NO GAP ALLOWED BETWEEN COVER AND HOUSING AT TERMINATION. .012 MAX GAP AT ANY OTHER TIME AFTER TERMINATION.
7. ALL ODD CABLE CONDUCTORS TERMINATE DIRECTLY TO THE GROUND BUS IN ALL CONNECTORS.
8. ALL EVEN CABLE CONDUCTORS TERMINATE TO CONNECTOR CONTACT NUMBERS USING THE FOLLOWING FORMULA: CABLE CONDUCTOR "X" TERMINATES TO CONNECTOR CONTACT NUMBER X/2. EXAMPLE: CABLE CONDUCTOR 46 TERMINATES TO CONNECTOR CONTACT NUMBER 23 (46/2).
9. EXCEPTIONS TO NOTE 8 AND DIFFERENCES BETWEEN CONNECTORS ARE SHOWN IN THE TABLE BELOW.
10. CONTACTS: 0.38μm[.000015] MIN GOLD ON MATING END, GOLD FLASH ON TERMINATION END, ALL OVER 1.27μm[.000050] MIN NICKEL ON ENTIRE CONTACT.
GROUND BUS: GOLD FLASH OVER 1.27μm[.000050] MIN NICKEL ON ENTIRE GROUND BUS.

ULTRA ATA CONNECTION TABLE			
CABLE CONDUCTOR #	CABLE CONDUCTOR # SHOWN CONNECTS TO:		
	BLUE CONNECTOR CONTACT #	BLACK CONNECTOR CONTACT #	GRAY CONNECTOR CONTACT #
4	2 & GROUND BUS	2 & GROUND BUS	2 & GROUND BUS
38	19 & GROUND BUS	19 & GROUND BUS	19 & GROUND BUS
44	22 & GROUND BUS	22 & GROUND BUS	22 & GROUND BUS
48	24 & GROUND BUS	24 & GROUND BUS	24 & GROUND BUS
52	26 & GROUND BUS	26 & GROUND BUS	26 & GROUND BUS
56	28	28	NC (OPEN)
60	30 & GROUND BUS	30 & GROUND BUS	30 & GROUND BUS
68	34 & GROUND BUS	34	34
80	40 & GROUND BUS	40 & GROUND BUS	40 & GROUND BUS

10	DEVICE(1) SLAVE	GRAY	4	1658619-6
10	SYSTEMS BOARD	BLUE	3	1658619-5
10	DEVICE(0) PRIMARY	BLACK		1658619-4
2	DEVICE(1) SLAVE	GRAY	4	1658619-3
2	SYSTEMS BOARD	BLUE	3	1658619-2
2	DEVICE(0) PRIMARY	BLACK		1658619-1
FINISH	CONNECTOR TYPE	HOUSING COLOR	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. SAMICK	22AUG03	TE Connectivity	
		CHK C. ROHDE	22AUG03		
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APPROD M. WALMSLEY	22AUG03	NAME	RECEPTACLE ASSY, 40 POS, 80 POS CABLE, CENTER & MILITARY POLARIZATION, LEAD FREE, AMP-LATCH™ ULTRA NOVO
	0 PLC ± -	PRODUCT SPEC	108-1740	SIZE	CAGE CODE DRAWING NO
	1 PLC ± -	APPLICATION SPEC	114-40056	WEIGHT	—
	2 PLC ± 0.08 [INCHES]			SCALE	4:1
MATERIAL	SEE TABLE	1	CUSTOMER DRAWING	SHEET	1 OF 1
				REV	A2