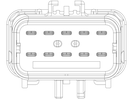
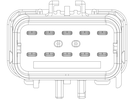
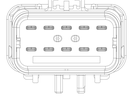


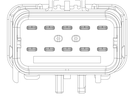
TYPE B
SAME AS TYPE A
EXCEPT AS SHOWN



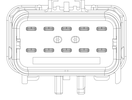
TYPE F
SAME AS TYPE A
EXCEPT AS SHOWN



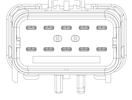
TYPE C
SAME AS TYPE A
EXCEPT AS SHOWN



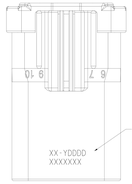
TYPE G
SAME AS TYPE A
EXCEPT AS SHOWN

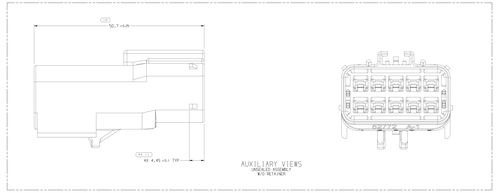


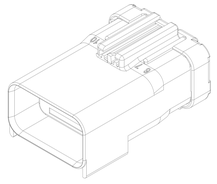
TYPE D
SAME AS TYPE A
EXCEPT AS SHOWN

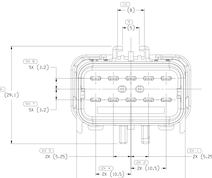


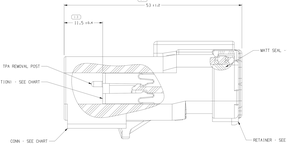
TYPE E
SAME AS TYPE A
EXCEPT AS SHOWN

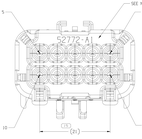


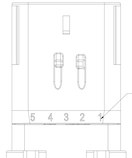


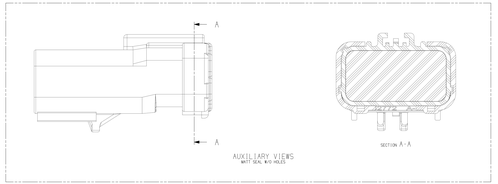












MATING PART NUMBERS CHART							
G	LT BROWN	SEALED	1.25D2119	54D2104Z	3.15L1.8L1	54D2104.IN	
		SEALED	1.25D2119	54D2104Z	1.8A1.4W1	54D2104.I	
		SEALED	DIRECT CONNECT APPLICATION		1.15L1.7D4	54D2103.IN	
F	AQUA	SEALED	DIRECT CONNECT APPLICATION		1.15L1.6L1	54D2103N06N	
		UNSEALED	DIRECT CONNECT APPLICATION		1.15L1.2D3	54D2103N	
		SEALED	DIRECT CONNECT APPLICATION		1.15L1.1D6	54D2103.IN	
		SEALED	DIRECT CONNECT APPLICATION		1.25D1.1.7	54D2103.I5	
E	DK GRN	UNSEALED	DIRECT CONNECT APPLICATION		1.15L1.1D2	54D2103.IN	
		SEALED	DIRECT CONNECT APPLICATION		1.25D1.1.U	54D2103.I3	
		SEALED	DIRECT CONNECT APPLICATION		1.15L1.1.5L	54D2103.IN	
		SEALED	DIRECT CONNECT APPLICATION		1.25D1.1.5	54D2103.I	
D	ORANGE	UNSEALED	DIRECT CONNECT APPLICATION		1.15L1.1.5	54D2104N6	
		UNSEALED	DIRECT CONNECT APPLICATION		1.25D1.1.U	54D2104.I	
		SEALED	DIRECT CONNECT APPLICATION		1.15L1.1.5	54D2104.IN	
		SEALED	DIRECT CONNECT APPLICATION		1.25D1.1.U	54D2111.I	
C	DK GREY	SEALED	DIRECT CONNECT APPLICATION		1.15L1.1N	54D2111.IN	
		SEALED	DIRECT CONNECT APPLICATION		1.25L1.1N	54D2111.I3	
		SEALED	DIRECT CONNECT APPLICATION		1.25L1.1.U	54D2102.I3	
		UNSEALED	1.25D0.1.U	54D1008	1.25L1.1N	54D2102	
	LT GRN	UNSEALED	1.25D0.1.U	54D1008	1.25D1.1N	54D2102	
		SEALED	1.25D0.1.U	54D1018	1.25L1.1N	54D2102N	
		SEALED	1.25D0.1.U	54D1018	1.25L1.1.U	54D2102	
		SEALED	DIRECT CONNECT APPLICATION		1.15L1.1.5L	54D2102N6	
		SEALED	DIRECT CONNECT APPLICATION		1.15L1.1A4	54D2102N6	
B	LT GREY	UNSEALED	1.25D0.1.U	54D1007	1.25L1.1N	54D2101N	
		UNSEALED	1.25D0.1.U	54D1007	1.25D1.1N	54D2101	
		SEALED	1.5A91.1W2	54D1017	1.15L1.1.5L	54D2101N	
		SEALED	1.5A91.1W2	54D1017	1.8A1.4W1	54D2101	
		SEALED	1.15L1.1W4	54D1024	1.8A1.4W1	54D2101	
		SEALED	1.15L1.1W4		1.15D1.1.U		
A	BLACK	SEALED	1.25D0.1.U	1.7W87.W1			
		UNSEALED	1.15D0.1.U	54D1006	1.15L1.1W7	54D2100N	
		UNSEALED	1.15D0.1.U	54D1006	1.5A92.1W4	54D2100	
		SEALED	1.5A25A1.U	54D1016	1.5L1A8.P5	54D2100N	
		SEALED	1.5A25A1.U	54D1016	1.15L1.1N	54D2100N	
		SEALED	1.5A25A1.U	54D1016	1.1N7.7.U	54D2105	
		SEALED	1.15L1.1W5	54D1058	1.8L7.7.U	54D2105	
		SEALED	1.5A25A1.U	54D1016	1.15L1.1N.X	54D2105N	
		SEALED	DIRECT CONNECT APPLICATION		1.15L1.1N.X	54D2105N	
		APTIV	WAL		APTIV	WAL	
TYPE	COLOR	SEALED/ UNSEALED	WALL ASSEMBLY PART NUMBERS		MATING ASSEMBLY PART NUMBER FOR REFERENCE ONLY		

PART NO	REV	NUM	TYPE	PART NO	REV	PART NO	REV	PART NO	REV	PART NO	REV	PART NO	REV	PART NO	REV	PART NO	REV	CONNECTOR ASSEMBLY TEMPERATURE CLASS PER TM-4G5C8-2 REV 5
				APTIV		WAL		APTIV		WAL		APTIV		WAL		APTIV		WAL
				ASSEMBLY				CONN				TPA				WATT SEAL		
2D0011.A	D1	4D	A			2D0780.1				15.D7.1A5		54D2U100		1.N7.7D5		54D2U102		15.D7.1A1		54D2U102		
2D0011.B	D1	4D	A	54D2U006	W	15.D7.1A4		54D2U103	W	15.D7.1A5		54D2U100				54D2U102		
2D0011.C	D1	4D	A	54D2U007	W	15.D7.1A4		54D2U105		15.D7.1A5		54D2U100				54D2U102		
2D0011.E	D1	4D	C	54D2U008	W	15.D7.1J8		54D2U106		15.D7.1A5		54D2U100						
15A7D6.Z	D1	0D	A	54D2U016	W	15.D7.1J1		54D2U104		15.D7.1A5		54D2U100		1.N7.7D5		54D2U102		15.D7.1A1		54D2U102		
15A91.W2	D1	4D	B	54D2U017	W	15.D7.1A4		54D2U105		15.D7.1A5		54D2U100		1.N7.7D5		54D2U102		
2D0011.D	D1	4D	B	54D2U018	W	15.D7.1J8		54D2U106		15.D7.1A5		54D2U100		1.N7.7D5		54D2U102		
2D1L1.W4	D1	4D	B	54D2U024	W	15.D7.1A4		54D2U105						15.D7.1J1		54D2U102		
2D1L1.W5	D1	4D	B	54D2U058	W	15.D7.1A4		54D2U105		15.D7.1A5		54D2U100		15.D7.1J1		54D2U102		
2D1L1.W5	D1	4D	A	54D2U058	W	15.D7.1J8		54D2U106						15.D7.1J1		54D2U102		
2D1L1.W6	D1	4D	C	54D2U059	W	15.D7.1J8		54D2U106						15.D7.1J1		54D2U102		

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF WIRE SHOWN AND
   TOLERANCES ARE PER EC-0001 GENERAL INSPECTION
   TOOL WITH MODEL FOR PRECISE DIMENSIONS. FOR ALL
   OTHER DIMENSIONS NOT SHOWN NOT REVISED FOR TOOL
   ENGINEERING DATA, USE CAD MODEL FOR THIS PART.
2. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM, MINOR
   IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR
   VARIATION, GATE MARKS, SINK, ETC. WILL NOT BE CAUSE FOR REJECTION
   FILL, FINAL DETERMINATION OF THE PART ARE PERMISSIBLE PER EWP.A.1.2/5.01.EN.
3. * INDICATED PN ARE W/O WATT SEAL AND RETAINER (MATING PART NUMBERS CHART).
4. ALL NON-SEALED APPLICATIONS MAY BE USED WITH ANY WIRE
   INSULATION OD THAT FITS WITHIN THE WALL OF THE WIRE
   INSULATION THAT IS TERMINAL GROUP FOR THAT CONDITIONING
   COMBINATION IS SHOWN ON THE WALL TERMINAL DRAWING
   (50 THOU WALL EQUIVALENTS PERMISSIBLE)
   - MAX. INSULATION CRIMP WIDTH = 4.N2
   - MAX. INSULATION O.D. = 4.U5 (50 MIL WALL)
   - MIN. INSULATION O.D. = 4.U5 (50 DA THOU WALL)
5. USE WITH FOLLOWING APPLICABLE COMPONENTS AS NEEDED:
   CAVITY PLUG WALL 54D0000.WP6 (5.U5@P4
6. DIRECT CONNECT INTERFACE PER WAL 0.8A0.0.
7. TEST METHOD PERFORMANCE, CONNECTOR ENGAGE & DISENGAGE WITH LATCH
   DEFLECTION FORCE, TERMINAL RETENTION FORCE FOR THIS SYSTEM
   - TPA SEATING FORCES : 75N MAX
   - 9 WAS TREE CLIP INSERTION FORCES : 75N. MAX
8. SUPPLIER, MOLD & CAVITY I.D. SIGNIFIES TOOL OWNERSHIP.
9. ANNUAL QUALITY REQUIREMENTS:
   (1.1) PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER WAL
   (1.2) PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER WAL
   PN REQUIREMENTS OF 2D-A0D0 SECTION 2 & VAL5U0R.2 REV 5.
   - ALL NON-REFERENCE DIMENSIONS ARE REQUIRED
   - USE UNDER A, BLACK SEALED AND UNSEALED FOR ALL AFFECTED
     INSULATOR/CONTACTS
   - CURRENT PRODUCTION TOOLING
   - POINT OF LAST RUN
   - SERVICE TOOLING GUIDE INFORMATION PER APEX TRAINING MANUAL
10. VALIDATION IS DONE ACCORDING TO USCAR 2 REV 5 WITH TEMP CLASS T3,
    VIBRATION CLASS V3 AND SEAL S2
11. P.N. WITH WAL 54D2U102/WPN 1.N7P7D5, WATT SEAL MUST BE USED WITH WIRE
    INSULATION RANGE FROM Ø.7L MM TO Ø.3.5 MAX (12,14,16,18 OR 20 GAGE)
12. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.
13. CONNECTOR PN 2D0780.W7 WAS ANALYZED FOR CREEPAGE & CLEARANCE FOR 48 VOLTS.

SYMBOL DEFINITION		MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED: 14	NO MISSING SYMBOL NUMBER
	LEG NO: 15	

REVISION HISTORY											