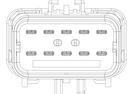
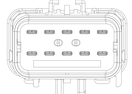
SYMBOL DEFINITION		MISSING SYMBOLS
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED: 16	NO MISSING SYMBOLS, NUMBER
	LEG NO. LEG NO.	15

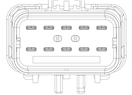
REVISION HISTORY									
REV LTR	ZONE	REVISED BY	DATE	ECO NO.	REVISION DESCRIPTION	ACTV	DR	CHKD
PLA01	B1	TK	11/29/21	5498846	ALL PARTS RELEASED DISTRIBUTABLE PART DRAWING	TOYON	MT	JAY-AL



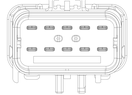
TYPE B
SAME AS TYPE A
EXCEPT AS SHOWN



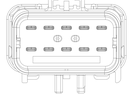
TYPE F
SAME AS TYPE A
EXCEPT AS SHOWN



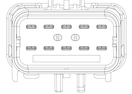
TYPE C
SAME AS TYPE A
EXCEPT AS SHOWN



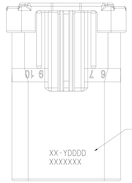
TYPE G
SAME AS TYPE A
EXCEPT AS SHOWN

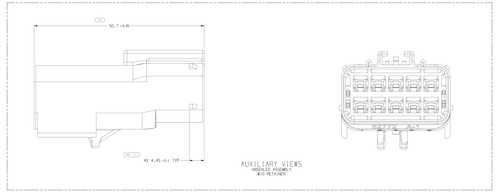


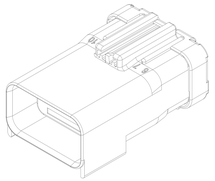
TYPE D
SAME AS TYPE A
EXCEPT AS SHOWN

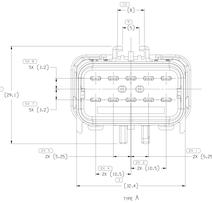


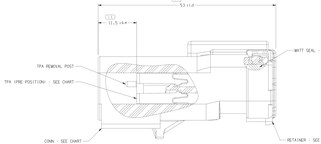
TYPE E
SAME AS TYPE A
EXCEPT AS SHOWN

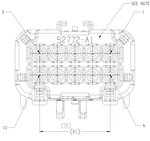


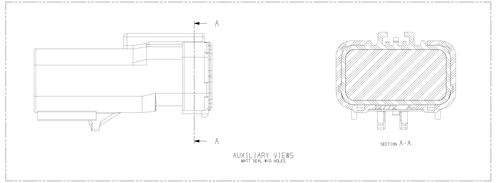












MATING PART NUMBERS CHART					
G	LT BROWN	SEALED	1350011P	54201042	1351118U	54201041-IN
		SEALED	1350011P	54201042	1364148U	54201041
		SEALED	DIRECT CONNECT APPLICATION		1551373U	54201036-3
		SEALED	DIRECT CONNECT APPLICATION		1351138U	54201036
		UNSEALED	DIRECT CONNECT APPLICATION		1351132U	54201030N
F	ASH	UNSEALED	DIRECT CONNECT APPLICATION		1351133U	54201031
		SEALED	DIRECT CONNECT APPLICATION		1351139U	54201039N
		SEALED	DIRECT CONNECT APPLICATION		1350011T	54201015
E	DK GRN	UNSEALED	DIRECT CONNECT APPLICATION		1351132U	54201030N
		UNSEALED	DIRECT CONNECT APPLICATION		1350011U	54201003
		SEALED	DIRECT CONNECT APPLICATION		1351139U	54201039N
		SEALED	DIRECT CONNECT APPLICATION		1350011S	54201013
D	ORANGE	UNSEALED	DIRECT CONNECT APPLICATION		1351135U	54201034N
		UNSEALED	DIRECT CONNECT APPLICATION		1350011U	54201004
		SEALED	DIRECT CONNECT APPLICATION		1351135U	54201034N
		SEALED	DIRECT CONNECT APPLICATION		1350011W	54201014
C	DK GREY	SEALED	DIRECT CONNECT APPLICATION		1351139W	54201039N
		SEALED	DIRECT CONNECT APPLICATION		1351136U	54201035
		SEALED	DIRECT CONNECT APPLICATION		1351136U	54201035-IN
		UNSEALED	DIRECT CONNECT APPLICATION		1351138U	54201036
		UNSEALED	1350011W	54201008	1351139W	54201039N
		UNSEALED	1350011W	54201008	1350011W	54201002
	L1 GRN	SEALED	1350011W	54201008	1351135U	54201034N
		SEALED	1350011W	54201008	1351136U	54201035
		SEALED	DIRECT CONNECT APPLICATION		1551373U	54201036-3
		SEALED	DIRECT CONNECT APPLICATION		1351138U	54201036-IN
B	LT GRY	UNSEALED	1350011U	54201007	1350011W	54201002
		UNSEALED	1350011U	54201007	1350011W	54201001
		SEALED	1549419W	54201017	1351135U	54201034N
		SEALED	1549419W	54201017	1364148U	54201033
		SEALED	1351139W	54201029	1364148U	54201033
R	BLACK	UNSEALED	1350011Z	54201006	1351139T	54201030N
		UNSEALED	1350011Z	54201006	1549420W	54201005
		SEALED	1542564Z	54201016	1511489W	54201009
		SEALED	1542564Z	54201016	1351139W	54201039N
		SEALED	1542564Z	54201016	1367177U	54201054
		SEALED	1351139W	54201029	1367177U	54201054
		SEALED	1542564Z	54201016	1351138U	54201036N
		SEALED	DIRECT CONNECT APPLICATION		1551373U	54201036-3
TYPE	COLOR	SEALED/ UNSEALED	APTIV	WML	APTIV	WML
			WHLE ASSEMBLY PART NUMBERS		MATING ASSEMBLY PART NUMBER FOR REFERENCE ONLY	

ASSEMBLY																									
1350011Z	D1	AD	A	54201006	W	1551711	54201013N	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1350011Z	D1	AD	B	54201007	W	1551714N	54201013L	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1350011Z	D1	AD	C	54201008	W	1551712U	54201013L	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1542564Z	D1	AD	A	54201016	W	1551711	54201014	1551714N	54201020	1367935	54201050	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-
1549419W	D1	AD	A	54201017	W	1551714N	54201013L	1551714N	54201020	1367935	54201050	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-
1350011U	D1	AD	B	54201018	W	1551712U	54201013L	1551714N	54201020	1367935	54201050	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-
1351139W	D1	AD	B	54201029	W	1551712U	54201013L	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1351139W	D1	AD	C	54201030N	W	1551712U	54201013L	1551714N	54201020	1551714N	54201020	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-
1351139W	D1	AD	A	54201039N	W	1551712U	54201013L	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1351139W	D1	AD	B	54201039N	W	1551712U	54201013L	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1351139W	D1	AD	C	54201039N	W	1551712U	54201013L	1551714N	54201020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PART NO	REV	W/P	TYPE	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML	PART NO	WML
APTIV				APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML	APTIV	WML
ASSEMBLY				CONN						TPA		WATT SEAL						RETAINER							

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF LOCK SHOWN AND
   DIMENSIONS ARE TO CENTER OF TERMINAL POSITION
   TOLS WITH WIRES, FOR PRECISE DIMENSIONS, FOR ALL
   OTHER DIMENSIONS NOT SHOWN NOT REQUIRED FOR TOOL
   DESIGN, USE CAD DATA OR CONTACT TOOL DESIGNER.

2. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE TOM, MINOR
   IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR
   VARIATION, GATE, EJECTOR PIN, SLIDE MARKS, SINK, WELD LINES, SHORT
   FILL, FINAL DETERMINATION OF THE PART ARE PERMISSIBLE PER EPAP-A.7-25-01.

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 DIA. WITHIN THE SPECIFIED RANGE. WHEN
   INDICATING PART N TERMINAL GROUP FOR THAT CONDITIONING
   COMBINATION IS SHOWN ON THE WILE TERMINAL DRAWING
   (30 THIN WALL EQUIVALENTS PERMISSIBLE)

   WML INSULATION CRIMP WIDTH - 4.92
   WML INSULATION DIA. - 4.25 (.20 DIA THICK WALL)
   WML INSULATION DIA. - 4.29 (.20 DIA THIN WALL)

5. USE WITH FOLLOWING APPLICABLE COMPONENTS AS NEEDED:
   CAVITY PLUG WML 54200001-WML (31)&(8)#

6. DIRECT CONNECT INTERFACE PER WML G.6601.

7. TEST METHOD PERFORMANCE, CONNECTOR ENGAGE & DISENGAGE WITH LATCH
   DEFORMATION, TPA SEATING FORCE, TPA SEATING FOR THIS SYSTEM

   TPA SEATING FORCES - 75N MAX

   V-WIRE TREE CLIP INSERTION FORCES - 75N, MAX

8. SUPPLIER, MOLD & CAVITY I.D. SIGNIFIES TOOL OWNERSHIP.

9. ANNUAL QUALITY REQUIREMENTS:
   IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER WML
   G.6601 SECTION 2 & WML G.6601 SECTION 3 & WML G.6601 SECTION 4
   PER REQUIREMENTS OF CD-9000 SECTION 2 & WML G.6601 SECTION 2 REV B.

   ALL NON-REFERENCE DIMENSIONS ARE REQUIRED

   - USE UNDER A, BLACK SEALED AND UNSEALED FOR ALL AFFECTED
     INSULATOR/TERMINATION

   - CURRENT PRODUCTION TOOLING

   - POINT OF LAST RUN

   SERVICE TOOLING GUIDE INFORMATION PER APTIV TRAINING MANUAL.

10. VALIDATION IS DONE ACCORDING TO USCAR 2 REV 9 WITH TEMP CLASS T3,
    VIBRATION CLASS V3 AND SEAL S2

11. PIN WITH WIL 54201030N, 1367935 WATT SEAL MUST BE USED WITH WIRE
    INSULATION RANGE FROM Ø1.70 MM TO Ø2.05 MM (12,14,16,18 OR 20 GAGE).

12. FOR APPLICATION DATA SEE THE INDIVIDUAL APPLICATION DRAWINGS.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND/OR TRADE SECRETS. REPRODUCTION AND/OR DISCLOSURE TO THIRD PARTIES WITHOUT WRITTEN PERMISSION IS PROHIBITED.

PART DRAWING

SIZE D

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ANGLES ± 0.5°
DECIMALS .XX ± 0.25 .XXX ± 0.10

SURFACE FINISH 125 RMS

DIMENSIONS ARE AS SHOWN AFTER PLATING

DRAWN	TK	11/29/21
CHECKED	JAY-AL	11/29/21
APPROVED	MT	11/29/21

THIRD ANGLE PROJECTION

SCALE 2/1

REF DWG

TITLE

TKI CONN APEX ZJ-8

DRAWING NO. 5498846

SHEET 1 OF 1

A/U5 A11 11 29 21 19 1 B2 D1

Mouser Electronics

Authorized Distributor

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