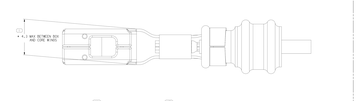
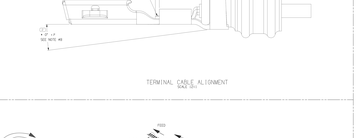


TERMINAL CABLE ALIGNMENT
SCALE 10:1



SPLICE AND REEL SPECIFICATIONS
SCALE 1:5

PACKAGING NOTES

1. TERMINALS MUST BE SINGLE WRAPPED ON REEL WITH NON-ABRASIVE SEPARATION MATERIAL.
2. STANDARD REELING TERMINALS MUST FLIP OFF TOP OF REEL FROM RIGHT TO LEFT WITH CONTACT FACING UNDERSIDE AND CRIMP WINGS FACING UPWARD.
3. REWIND A REELING TERMINALS MUST FLIP OFF TOP OF REEL FROM LEFT TO RIGHT WITH CONTACT FACING UNDERSIDE AND CRIMP WINGS FACING UPWARD.
4. REWIND C REELING TERMINALS MUST FLIP OFF BOTTOM OF REEL FROM RIGHT TO LEFT WITH CONTACT FACING UNDERSIDE AND CRIMP WINGS FACING UPWARD.
5. REWIND D REELING TERMINALS MUST FLIP OFF BOTTOM OF REEL FROM LEFT TO RIGHT WITH CONTACT FACING UNDERSIDE AND CRIMP WINGS FACING UPWARD.
6. FULL REEL WEIGHT NOT TO EXCEED 20LBS.
7. CUSTOMER REQUEST FOR REWIND PARTS WILL INCLUDE ADDITIONAL LABELING ON THE REEL OF MATERIAL (BLANK) PART NUMBER, QUANTITY.
   STANDARD REEL FITS PART NUMBER.
   REWIND A REEL FITS PART NUMBER "-RWA".
   THE STAMP NUMBERING SYSTEM WILL BE AVAILABLE FOR ALL CHARTED PART NUMBERS.

SYMBOL DEFINITION		
A DIMENSION REFERENCE AN INSPECTION REPORT SYMBOL.	TOTAL NO OF SYMBOLS REQUIRED	4
A DIMENSION REFERENCE A DIMENSION NOT REQUIRED TO BE INSPECTED. (COMPANIES CHOICE)	LAST NO USED	42

SYMBOL	ZONE	REVISION RECORD	ECN #	DR	CK	EN	AP
1	B-F	ALL GROVES PARTS - GROVES TERMINAL CORE CHANGED FROM 0.5 TO 0.6 MM. ALL GROVES PARTS - GROVES TERMINAL CORE CHANGED FROM 0.5 TO 0.6 MM.	108				
2	B-F	ADDED TYPE 102 SEALED	114				
3	B-F	ADDED TYPE 101 UNSEALED	114				
4	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
5	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
6	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
7	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
8	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
9	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
10	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
11	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
12	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
13	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
14	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
15	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
16	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
17	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
18	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
19	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
20	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
21	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
22	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
23	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
24	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
25	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
26	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
27	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
28	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
29	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
30	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
31	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
32	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
33	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
34	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
35	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
36	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
37	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
38	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
39	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
40	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				
41	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 102 SEALED	114				
42	B-F	ALL GROVES PARTS - ALL GROVES PARTS - ADDED TYPE 101 UNSEALED	114				

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:
   DIMENSIONS ARE TO FACE OF SEAL GROVE WALL.
   ALL GROVES PARTS - GROVES TERMINAL CORE MUST NOT BE CHANGED, CONTACTED OR DIMENSIONALLY TOUCH ANY MATERIAL EXCEPT FOR THE SEAL GROVE WALL. ALL GROVES PARTS - GROVES TERMINAL CORE MUST NOT BE CHANGED, CONTACTED OR DIMENSIONALLY TOUCH ANY MATERIAL EXCEPT FOR THE SEAL GROVE WALL.
2. RECOMMENDED MATING BLADE PER USCAR STANDARD EWCAP-001.
3. "PART INDICATES" MY PLUS LAST TWO DIGITS OF NAME ESE PART NUMBER. EXAMPLE: 1-1-1 = 111.
4. CORPORATE BRAND TO BE APPLIED TO PRODUCT DESIGN PER THE LATEST REVISION OF ESE STANDARD.
5. AFTER MANUFACTURE, DO NOT PRESS, TEST, OR OTHERWISE CONTACT THE SPRING OR ANY MOVING PARTS OF THIS TERMINAL. ANY DAMAGE TO THE SPRING OR ANY MOVING PARTS WILL CONTAMINATE THE PERFORMANCE OF THE ELECTRICAL CONTACTS.
6. PLATING TYPE:
   (1) SEP 210 (0.2 - 0.3 MICROMETERS) TIN
   (2) SEP 210 (0.2 - 0.3 MICROMETERS) TIN OVER NICKEL
   (3) SELECT 2 (0.8MICRONS) TIN OVER NICKEL
   (4) SELECT 2 (0.8MICRONS) TIN OVER NICKEL
   (5) SELECT 2.25 (0.8MICRONS) TIN OVER NICKEL
   (6) SELECT 2.25 (0.8MICRONS) TIN OVER NICKEL (0.2 - 0.3 MICROMETERS) TIN OVER NICKEL (UNDERPLATE (0.1 - 0.3 MICROMETERS) TIN OVER NICKEL (0.2 - 0.3 MICROMETERS) TIN
   (7) WETTE 210 (0.2 - 0.8 MICROMETERS) TIN, FOR USE WITH SELECTIVE GOLD PLATING SPECIFICATION
   (8) WETTE 210 (0.2 - 0.8 MICROMETERS) TIN, FOR USE WITH SELECTIVE GOLD PLATING SPECIFICATION
   PLATING TYPE INFORMATION SHOWN HERE IS REFERENCE ONLY. PLATING REQUIREMENTS ARE DETERMINED BY MATERIAL SPECIFICATION.
7. * INDICATES DIMENSIONS HERE IS CUT-OFF AND CRIMP DIE.
8. CUSTOMER REQUEST FOR REWIND PARTS WILL INCLUDE ADDITIONAL LABELING ON THE REEL OF MATERIAL REVISED DIMENSIONS(IF ANY) AND PART NUMBER.
9. TERMINAL SYMMETRICAL ABOUT CENTERLINE EXCEPT AS SHOWN.
10. THIS TERMINAL IS SYMMETRICAL ABOUT CONTACT OPERATING PLANE. THE CONTACT MUST BE ORIENTED TO THE MATING CONTACT ORIENTATION THE TYPE2 TERMINAL IS ORIENTED WITH PRIMARY.
11. REFERENCE PARTS FOR SPECIFIC CABLE SEAL APPLICATION, PLEASE SEE THE CONNECTION SYSTEM FOR SPECIFIED SEALS.
12. SEE SAE J1939 CLEAN CRIMP INFORMATION. CONTACT APTIV REPRESENTATIVE FOR THE LATEST CRIMP INFORMATION.

DRAWN		
CHECKED		
ENGINEER		
PROJECT ENGINEER		
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE FOR PLATED OR COATED PARTS		
DIMENSIONS ARE FOR UNPLATED PARTS		
DIMENSIONS ARE AFTER FINISHING		
DIMENSIONS ARE BEFORE FINISHING		
DIMENSIONS ARE FOR REFERENCE ONLY		
DIMENSIONS ARE FOR TOOLING ONLY		
DIMENSIONS ARE FOR INSPECTION ONLY