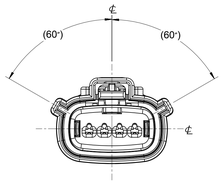
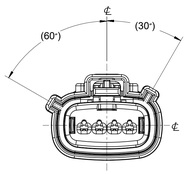
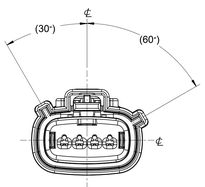


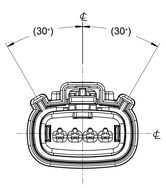
KEYING OPTION A



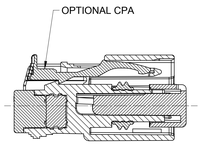
KEYING OPTION B



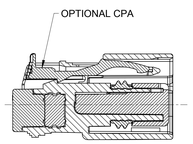
KEYING OPTION C



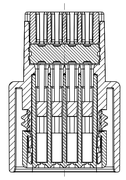
KEYING OPTION D



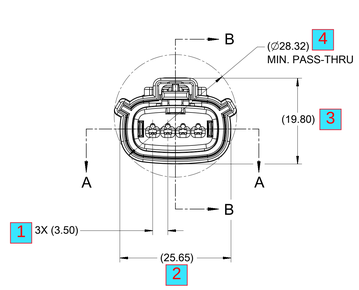
SECTION B-B
(RECEPTACLE INSERT SHOWN IN THE PRE-LOCK POSITION)
SEE NOTE #2

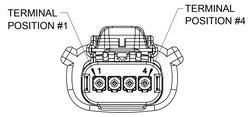


SECTION B-B
(RECEPTACLE INSERT SHOWN IN THE FINAL-LOCK POSITION)
SEE NOTE #2

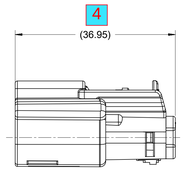


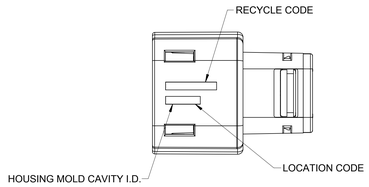
SECTION A-A





REAR VIEW
(WIRE HARNESS SIDE)





SCALE 1:1

NOTES: UNLESS OTHERWISE SPECIFIED

1. DESIGNED TO MATE WITH BLADE HOUSING ASSEMBLY SPECIFIED IN FORD CUSTOMER DRAWING 4F9T-14A624-KB OR DEVICE CONNECTION AS SPECIFIED IN THIS DRAWING.
2. ASSEMBLY SHIPPED WITH RECEPTACLE INSERT IN PRE-LOCK POSITION (SEE SECTION B-B PRE-LOCK). UPON FULL TERMINAL ASSEMBLY, EACH RECEPTACLE INSERT MUST BE SNAPPED INTO ITS FINAL-LOCK POSITION.
3. FOR RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY,SEE TABLE WITH APPLICABLE COMPONENTS BELOW.
4. DRAWING CONFORMS TO AVP-(T401/T406)-001 REV B DATED 10/01/01.
5. PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION,CONTAMINATION OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
6. MAXIMUM INSERTION FORCE TO MATE FULLY POPULATED CONNECTORS WITH TIN TERMINALS TO BE LESS THAN 75N.
7. THE OPERATING ENVIRONMENT CRITERIA FOR THIS CONNECTOR IS TEMPERATURE CLASS 4.
8. CONFORMS TO (S.D.S.) VERSION 11.0 (DATED 11/08/02).
9. 0.3mm MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP.
10. ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
11. FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE.
12. ENGINEERING APPROVAL OF SAMPLE FROM EACH SUPPIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.
13. CHANGES IN DESIGN COMPOSITON OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.
14. SOURCE IDENTIFICATION MARK MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTER AND LEGIBLE WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE.
15. ASSEMBLY CONFORMS TO SAE/USCAR-2 REV 4 WITH THE FOLLOWING EXCEPTIONS: TPA REMOVAL FROM FINAL LOCK TO PRE-LOCK POSITION SHALL NOT EXCEED 130 NEWTONS. TERMINAL INSERTION FORCE FOR WIRE SIZE ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 40 NEWTONS.
16. FOR APPLICATION SPECIFICATION AS-33472-000 AND PRODUCT SPECIFICATION PS-33472-000 (DUAL ROW), PS-33471-000 (SINGLE ROW), AND PS-33476-000 (16 WAY HYBRID), SEE WWW.MOLEX.COM UNDER PRODUCT NAME MX150 SEALED CONNECTOR SYSTEM.
17. MAXIMUM CONNECTOR MATE FORCE : 15.7N.
18. ENGAGEMENT FORCE TO MOVE CPA FROM PRE-SET TO FINAL POSITION (IN UNMATED CONNECTOR) : 40N MIN.
19. REFER TO USCAR/EWCAP DRAWING 150-S-004-1-Z03 REV.C FOR DIRECT CONNECT INTERFACE INFORMATION AT www.uscarteams.org.
20. SHALL CONFORM TO MOLEX PRODUCT SPECIFICATION: PS-33471-000 (SYSTEM SEALING VALIDATED TO WIRE WITHIN DIAMETER RANGE OF 1.4mm TO 2.40mm FOR TEMPERATURE CLASS 4) (SYSTEM SEALING VALIDATED TO WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm FOR TEMPERATURE CLASS 3) FOR ADDITIONAL INFORMATION PLEASE REFER TO MOLEX PRODUCT SPECIFICATON.

APPLICABLE COMPONENTS						
DESCRIPTION	NOMINAL TERMINAL SIZE	FORD PART NUMBER	MOLEX PART NUMBER	MATERIAL/SPECIFICATION NUMBER	WIRE S. A. E (MIL-123A) (14,16,18,20,22) HIFLON WIRE (20")	WIRE METRIC (MIL-126A1) REFERENCE ONLY
TERMINAL-FEMALE (SN)	1.5(MX150)	7C3T-14474-EA	33012-2001	COPPER ALLOY/TIN PLATE	14,16	1.50mm²
TERMINAL-FEMALE (SN)	1.5(MX150)	7C3T-14474-DA	33012-2002	COPPER ALLOY/TIN PLATE	18,20,20*	1.0mm², 0.75mm²
TERMINAL-FEMALE (SN)	1.5(MX150)	7C3T-14474-CA	33012-2003	COPPER ALLOY/TIN PLATE	22	0.50mm²
TERMINAL-FEMALE (AU)	1.5(MX150)	7C3T-14474-HA	33001-2003	COPPER ALLOY/GOLD PLATE	14,16	1.50mm²
TERMINAL-FEMALE (AU)	1.5(MX150)	7C3T-14474-GA	33001-2004	COPPER ALLOY/GOLD PLATE	18,20,20*	1.0m², 0.75mm²
TERMINAL-FEMALE (AU)	1.5(MX150)	7C3T-14474-FA	33001-2005	COPPER ALLOY/GOLD PLATE	22	0.50mm²

FORD MOLEX PART NO. CROSS REFERENCE										TOTAL NUMBER OF PLUGGED CAVITIES
FORD P/N	FORD SUFFIX	MOLEX P/N	KEYING OPTION	COLOR	CPA	PLUGGED CIRCUIT POSTIONS				
						1	2	3	4	
4F9T-14A464-HA	-000	33471-0401	A	BLACK	NO					0
4F9T-14A464-HA	-001	33471-0441	A	BLACK	NO	1	2	3	4	4
4F9T-14A464-HA	-002	33471-0459	A	BLACK	NO			3		1
4F9T-14A464-HA	-003	33471-0411	A	BLACK	NO				4	1
4F9T-14A464-JA	-000	33471-0402	B	LIGHT GRAY	NO					0
4F9T-14A464-JA	-001	33471-0442	B	LIGHT GRAY	NO	1	2	3	4	4
4F9T-14A464-LA	-000	33471-0403	C	BROWN	NO					0
4F9T-14A464-LA	-001	33471-0443	C	BROWN	NO	1	2	3	4	4
4F9T-14A464-MA	-000	33471-0404	D	GREEN	NO					0
4F9T-14A464-MA	-001	33471-0444	D	GREEN	NO	1	2	3	4	4
4F9T-14A464-HA	-004	33471-0467	A	BLACK	NO			3	4	2
4F9T-14A464-JA	-002	33471-0466	B	LIGHT GRAY	NO	1	2			2
4F9T-14A464-HA	-005	33471-0489	A	BLACK	NO		2			1
4F9T-14A464-JA	-003	33471-0494	B	LIGHT GRAY	NO		2	3		2
(L) HU5T-14A464-ABA	-000	33471-0406	A	BLACK	YES					0
(L) HU5T-14A464-ABA	-001	33471-0416	A	BLACK	YES				4	1

LTRS.	REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP	
E	E1 REVISED AND REDRAWN, CONVERTED FROM PRO-E TO OSD 20090522 AELE-E-11776560-295 CAD: Y			
GRIFFITHS	VERZYL	GLEECE		
F	F1 ADDED CONFIG. FOR SUFFIX 4F9T-14A464-HA/-003 AND MOLEX P/N:33471-0411 20090904 AELE-E-11776560-311 CAD:Y			
AHU01	GRIFFITHS	GLEECE		
G	G1 UPDATED FORD DRAWING 4F9T-14A464-HA AS FOLLOWS: REVISED NOTES #15 AND #16. ADDED NOTE #20 20100104 AELE-E-11776560-344 CAD:Y			
AHU01	GRIFFITHS	GLEECE		
H	H1 ADDED CONFIG. FOR SUFFIX 4F9T-14A464-HA/-004 AND MOLEX P/N:33471-0467 4F9T-14A464-JA/-002 AND MOLEX P/N:33471-0466 20111026 AELE-E-11776560-551 CAD:Y			
SWLUO	XBTANG	KLAZAR1		
J1	ADDED 4F9T-14A464-HA-005 AELE-E-11776560-904 20141226			
TYE	XBTANG	KLAZAR1		
K	ADDED 4F9T-14A464-JA-003 AELE-E-13113841-041 20160722			
TYE	JDENG02	KLAZAR1		
L	RELEASED HU5T-14A464-ABA UPDATE THE TEMP ON NOTE 7 TO CLASS 4 UPDATE THE MIN OD IN NOTE 20 TO 1.20mm ADD 'DTMC"TO THE "IS MASTER" BOX CHANGE THE TITLE TO "SLV ASY WIR CONN FEM" AELE-E-13113841-018 20161208			
TYE	JDENG02	KLAZAR1		

REFERENCE FOR INFORMATION CONTACT MOLEX INC. 7331

PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-AI TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.

DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE

3RD ANGLE PROJ DIMENSIONS IN MILLIMETERS

PART NUMBERS			
(L) HU5T-14A464-ABA	CAD TYPE: OSD	CAD LOC.	CAD FILE: DTMC IS MASTER
4F9T-14A464-HA	OPER. NO.	UNIT	DRAWING: 4F9T-14A464-HA
4F9T-14A464-JA	DESIGN: TYE	DETAIL: —	TITLE: SLV ASY WIR CONN FEM; SHT 1 OF 1
4F9T-14A464-LA	CHECKED: JDENG02	SAFETY	
4F9T-14A464-MA	SCALE: 2:1	DATE: 2016/12/09	DIVISION / PLANT

DRW SIZE A0/E