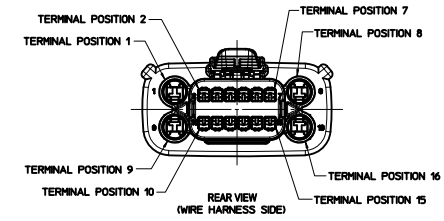
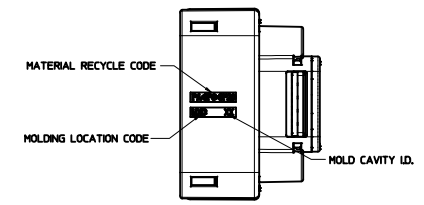
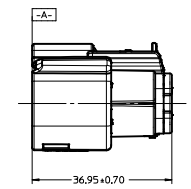
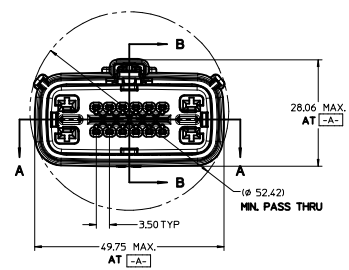
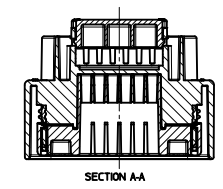
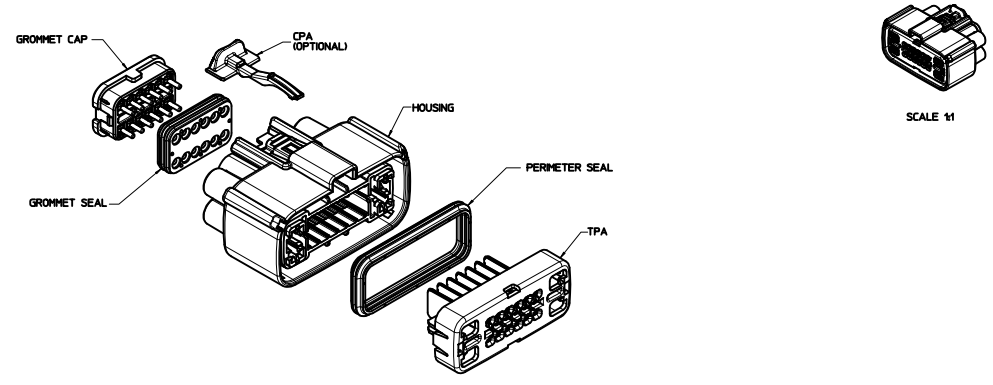
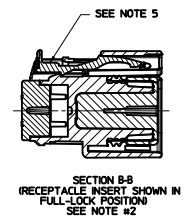
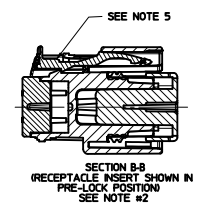
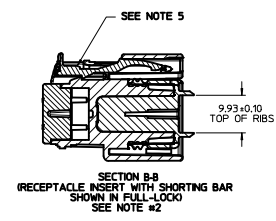
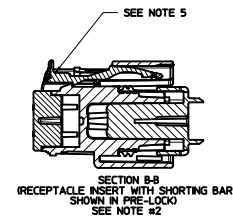
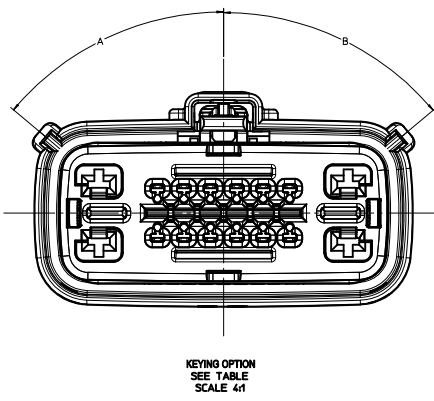


- NOTES: UNLESS OTHERWISE SPECIFIED
- DRAFT ANGLE PERMISSIBLE 0.25° MAXIMUM.
 - ALL DIMENSIONS SHOWN IN MILLIMETERS.
 - DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
 - RADI ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADI: 0.25 EXCEPT AS NOTED.
 - STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
 - A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES OPTIONS A THRU H WILL FUNCTION. THE SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES" FOR ADDITIONAL INFORMATION.
 - REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE <http://www.uscarteams.org>
 - FOR BLADE BASE MATERIAL, PLATING AND PROCESS LUBRICANT SEE EWCAP DWG # EWCAP-001

999-S-016-2-H01	H	YELLOW
999-S-016-2-G01	G	YELLOW
999-S-016-2-F01	F	YELLOW
999-S-016-2-E01	E	YELLOW
999-S-016-2-D01	D	GREEN
999-S-016-2-C01	C	BROWN
999-S-016-2-B01	B	GREY
999-S-016-2-A01	A	BLACK
EWCAP PN	OPTION	MATING CONNECTOR COLOR

LET	RELEASED	7-30-03	JBR	JC
LET	REVISION RECORD	DATE	DWN	CHK
DIMENSIONS UNLESS OTHERWISE SPECIFIED				
DIMENSIONS ARE IN MILLIMETERS				
ANGLES ±3°				
X ±0.2				
XX ±0.10				
DATE	DRAWN BY	CHECKED BY	DATE	DATE
3/1	J. RODNEY	D. GRIFFITHS	7-30-03	
TITLE				
DIRECT CONNECT INTERFACE				
16 WAY (2 X 8) 1.5 MM SEALED MALE				
SHEET	DRAWING NUMBER	DATE	SCALE	REVISION LEVEL
1 OF 1	999-S-016-2-Z01		AS SHOWN	A



- NOTES: UNLESS OTHERWISE SPECIFIED
- DESIGNED TO MATE WITH BLADE HOUSING ASSEMBLY SPECIFIED IN CHARTED DRAWING SD-33476-161 OR DEVICE CONNECTION AS SPECIFIED IN DRAWING 399-S-016-2-201.
 - 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.
 - FOR 15mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY, SEE MOLEX DRAWING SD-33012-002. FOR 2.0mm RECEPTACLE TERMINALS SEE TABLE.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 15mm TO 2.5mm.
 - OPTIONAL CPA SHOWN IN ALL VIEWS. SEE TABLE FOR SPECIFIC ASSEMBLY OPTION AND NUMBER.
CPA MUST BE INSERTED TO THE PRE-LOCK POSITION, AS SHOWN IN SECTION B-B. WHEN SEATED CORRECTLY, CPA DOES NOT MOVE FREELY.
ENGAGEMENT FORCE TO MOVE CPA FROM PRE-LOCK TO FINAL LOCK POSITION WHEN UNMATED: 40N MIN.
DISENGAGEMENT FORCE TO MOVE CPA FROM FINAL LOCK TO PRE-LOCK POSITION: 3N MIN.
 - MATERIAL: SPS/NYLON BLEND, 20% GLASS FILLED.
 - SHALL CONFORM TO PACKAGING SPECIFICATION PK-31300-094.
 - SHALL CONFORM TO PRODUCT SPECIFICATION PS-33476-000.
 - PACKAGING: IN THE EVENT THAT INSERT IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT WWW.MOLEX.COM.

TYCO 2.0mm CABLE SEAL TERMINAL		
FORD P/N	FEMALE RECEPTACLE	GRIP SIZE
FIT-14474-KA	12	12
FIT-14474-JA	14	14
FIT-14474-HA	16	16
FIT-14474-GA	18	18
FIT-14474-FA	20	20
FIT-14474-EA	22	22

REDRAWN
EC NO: 0402010-0267
DRAWING SET THIS APPROXIMATELY 2009/12/18

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.1	± ---
1 PLACE ± 0.3	± ---
ANGULAR ± 3 °	

DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
MM ONLY		2:1		METRIC		THIRD ANGLE PROJECTION	
DRAWN BY	DATE	JWESLEY	061602	CHECKED BY	DATE	DGRIFFITHS	070902
APPROVED BY	DATE	FHOLUB	070902				

16 WAY HYBRID RECEPT ASSY SEALED

MATERIAL NO. SD-33476-161

MOLEX INCORPORATED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SHEET NO. 1 OF 2

