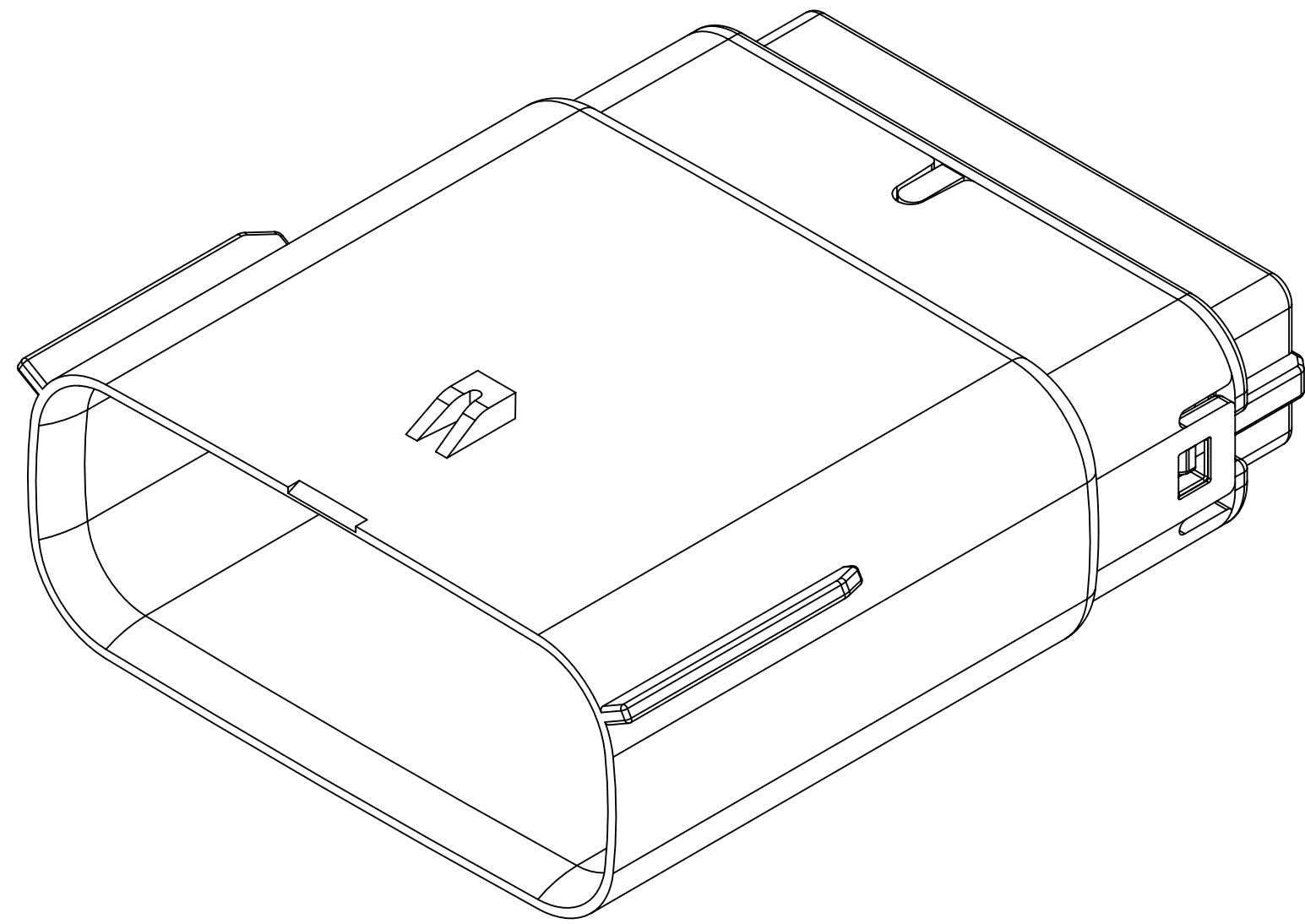
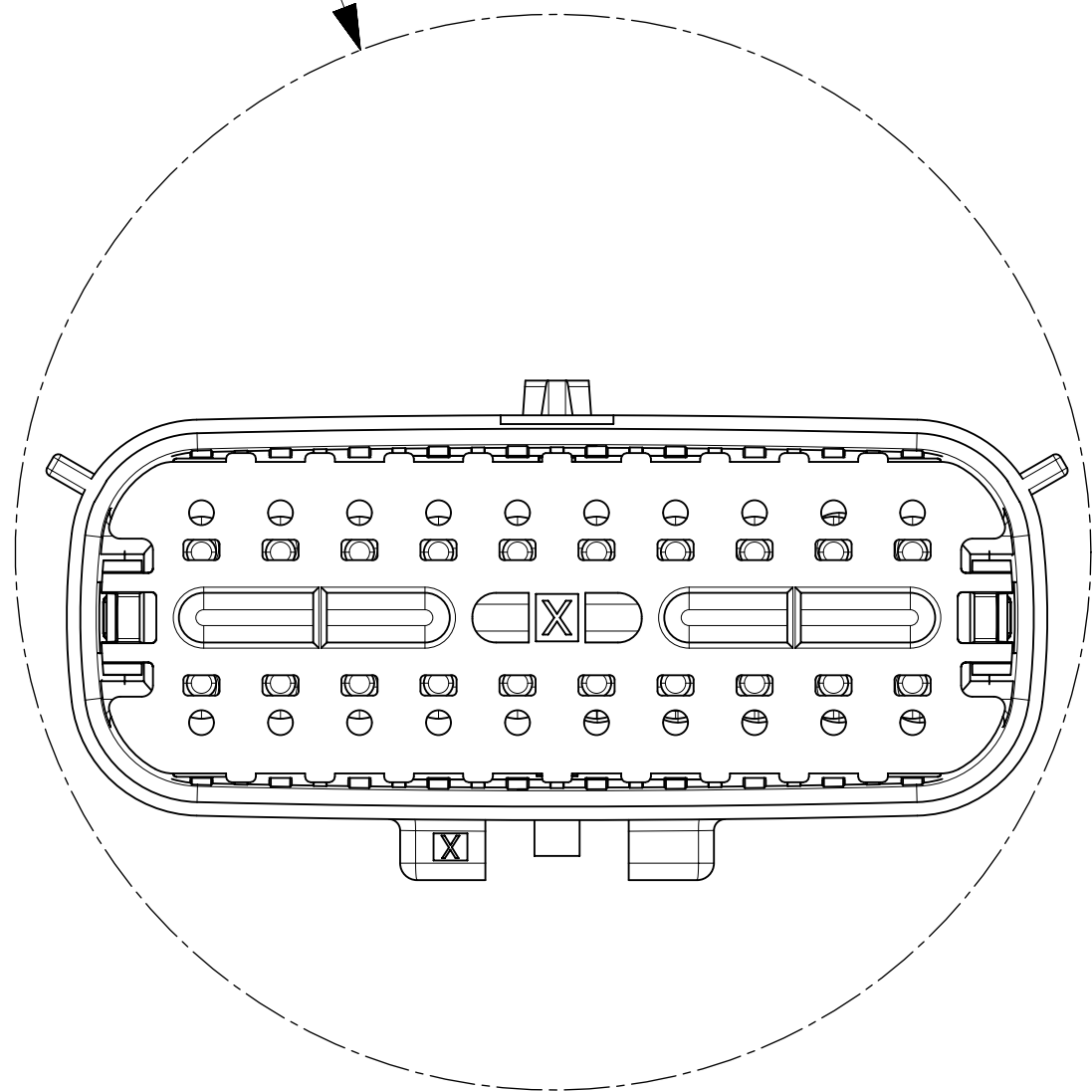


ITEM	DESCRIPTION	COLOR	FORD COMP. PART NO.	MOLEX COMP. PART NO.	MAT'L/SPEC. NO.	RECYCLE CODE	WEIGHT (g)	NO. OF ITEMS REQ'D
1	HOUSING KEYING OPTION A	BLACK	N/A	160012-0501	PA6 GF40	PA6 GF40	12.5	1
	HOUSING KEYING OPTION B	LIGHT GRAY	N/A	160012-0502	PA6 GF40	PA6 GF40	12.5	1
2	PLR	NATURAL	N/A	34840-0202	PA6 GF40	PA6 GF40	1.99	1
3	MAT SEAL	LIGHT BLUE	N/A	33562-2002	INHERENTLY LUBRICATED SILICONE	SILICONE	5.07	1
4	GROMMET CAP	BLACK	N/A	33572-2001	PA6 GF40	PA6 GF40	3.48	1

APPLICABLE COMPONENTS						
ITEM	DESCRIPTION	MANDATORY (YES/NO)	TERMINAL CAVITY MIN/MAX OD	PLATING / MATERIAL	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.
1	B542 MX150 TERMINAL: 1.5mm	YES	1.2mm - 2.4mm	Sn / Au	2L1T-14421-BA BU5T-14421-HA	N/A

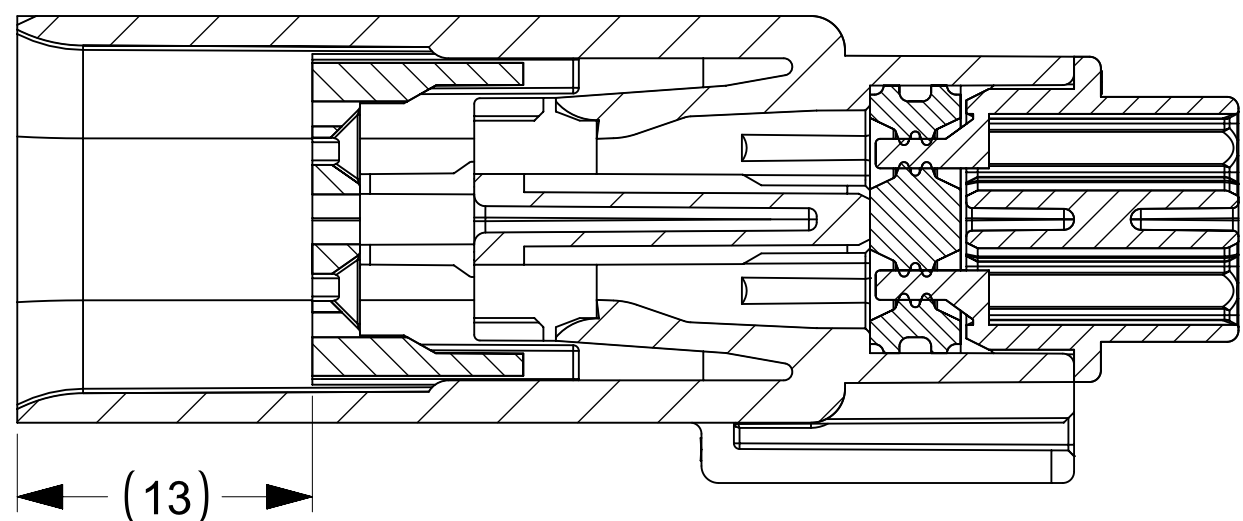


Ø47.65
PASS THRU DIAMETER

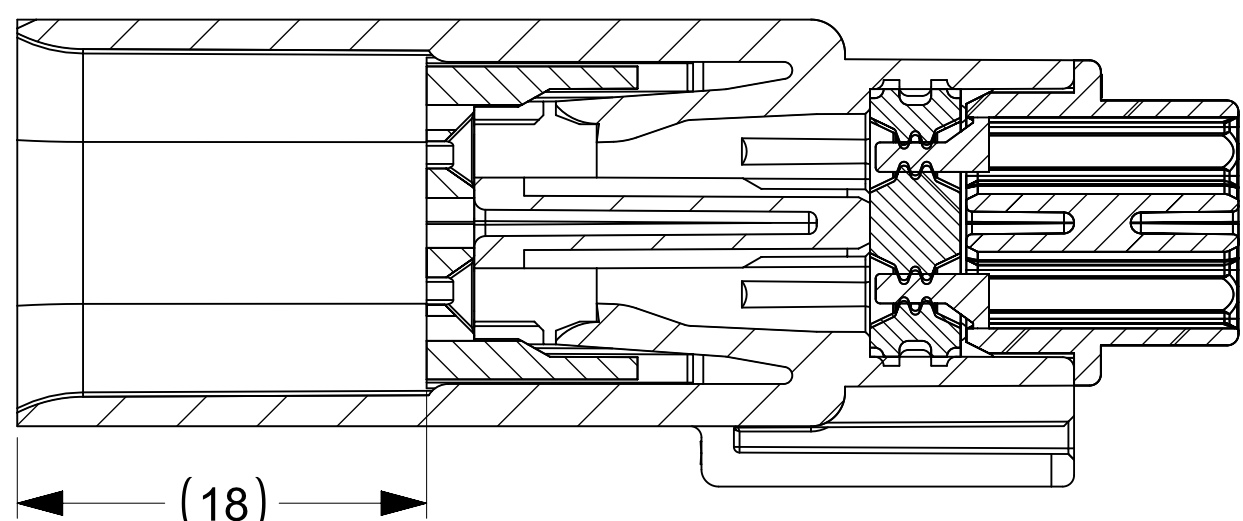


NOTES: UNLESS OTHERWISE SPECIFIED

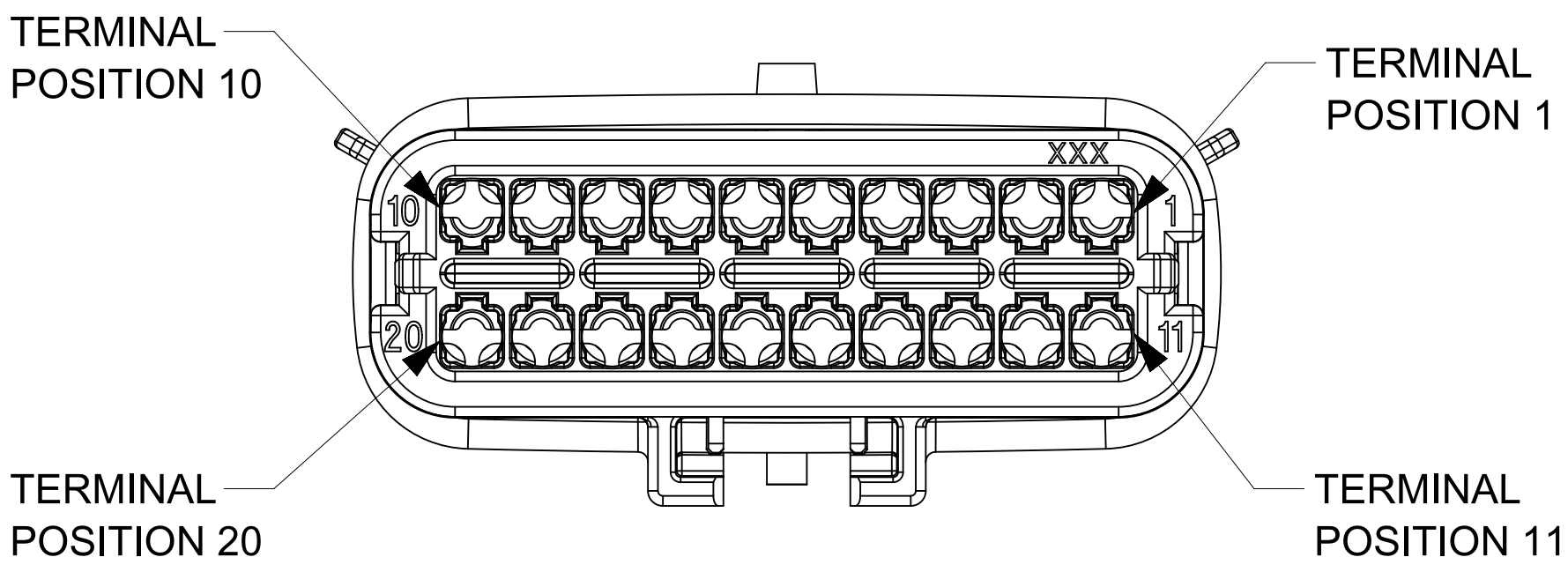
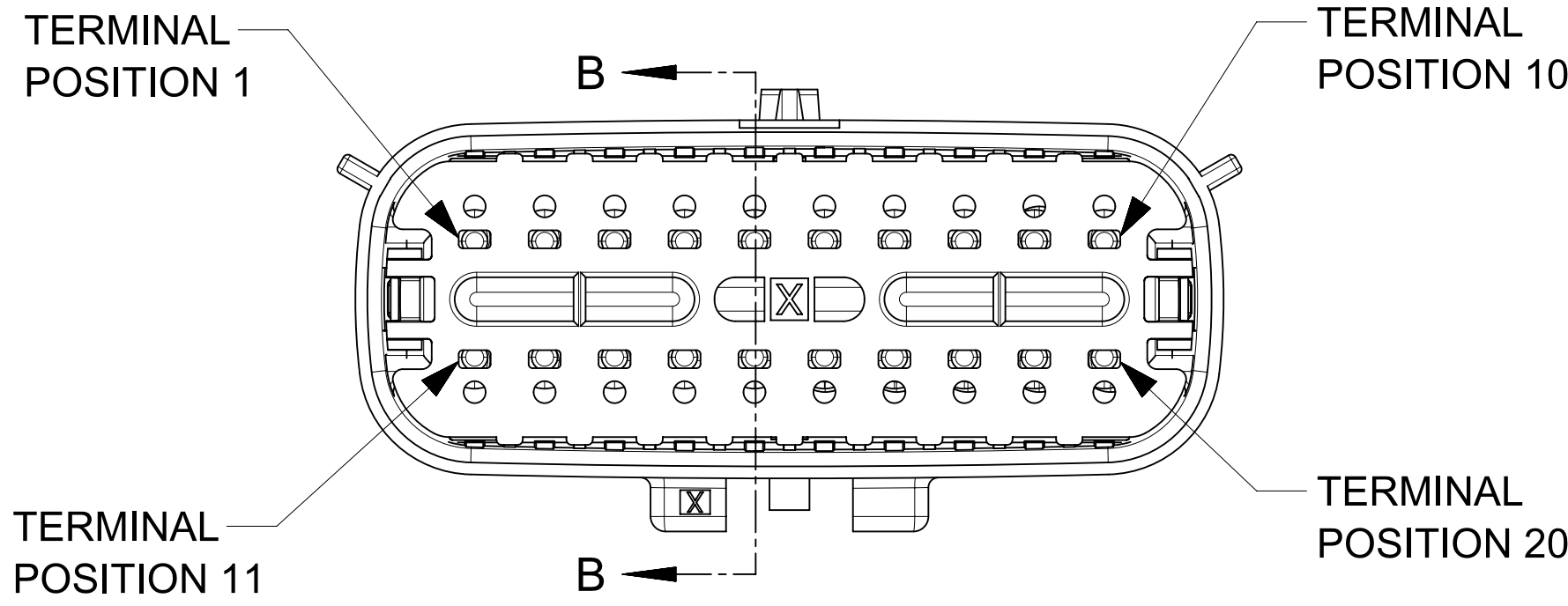
- PARTS CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) 4-10-2014.
- THIS DRAWING REFERS TO THE FOLLOWING SPECIFICATIONS:
a. SAE/USCAR-2 REV 4
- FOR DEVIATIONS SEE THE PRODUCT SPECIFICATION (PS)
b. AS-33472-100
c. PS-160008-0001
- MAXIMUM MATING FORCE FULLY POPULATED
- WITH TIN TERMINALS = 70.9 [N]
- WITH GOLD TERMINALS = N/A
- FOR TERMINAL SERVICING, USE MOLEX 1.5 mm SERVICE TOOL, P/N 63813-1500.
- SEALING SURFACES AS IDENTIFIED ON THE DRAWING ARE SMOOTH AND FREE OF PARTING LINES.
- CONNECTOR IS RATED AS ERGONOMIC CLASS 3 BASED ON USCAR-25 REV 3. CONNECTOR PUSH SURFACE AREA IS HANDED GRASP ON 15MM DIA. WIRE BUNDLE
- CLIP-SLOT FEATURE DESIGN IS BASED ON CLIP-SLOT SPECIFICATION BU5T-14E042-JA.
- PART AS RECEIVED AT THE FORD PLANT OR SERVICE PART PACKAGER / WAREHOUSE MUST BE FREE OF ANY CORROSION ALIGNED WITH THE FORD CUSTOMER SERVICE DIVISION (FCSO) PACKAGING AND SHIPPING GUIDE. PACKAGING AND PROTECTIVE MATERIALS MUST PRESERVE THE INTENDED FUNCTION AND APPEARANCE OF THE PART.
- CHANGES TO DESIGN, COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRE PRIOR APPROVAL FROM FORD MOTOR COMPANY PRODUCT ENGINEERING. REFER TO ISO/TS 16949.
- FOR CURRENT RELEASE STATUS, SEE THE WERS ENGINEERING NOTICE.
- THIS DRAWING HAS BEEN PREPARED BY OR ON BEHALF OF FORD MOTOR COMPANY. FORD MOTOR COMPANY RETAINS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. THIS DRAWING MUST NOT BE USED FOR ANY PURPOSE OTHER THAN PERFORMING SERVICES DIRECTLY OR INDIRECTLY TO FORD MOTOR COMPANY. WITHOUT THE EXPRESSED WRITTEN PERMISSION OF FORD MOTOR COMPANY, UNAUTHORIZED USE, COPYING OR MODIFICATION, INCLUDING THE REMOVAL OF THIS NOTE, MAY CONSTITUTE A VIOLATION OF CIVIL OR CRIMINAL LAWS ENFORCEABLE BY FORD OR GOVERNMENTAL AGENCIES COPYRIGHT 30 FORD MOTOR COMPANY.
- FOR THE PURPOSES OF GEOMETRIC TOLERANCING, ALL DIMENSIONAL INFORMATION CONTAINED IN THE CAD MODEL IS BASIC (THEORETICAL).
- ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE SECTION B-B PRE-LOCK). UPON FULL TERMINAL ASSEMBLY, EACH PLR MUST BE SNAPPED INTO ITS FINAL-LOCK POSITION.
- DESIGNED TO MATE CONNECTOR ASSEMBLY SPECIFIED ON FORD CUSTOMER DRAWING 6L3T-14A464-AA, OR DEVICE CONNECTION AS SPECIFIED IN THIS DRAWING.
- FOR APPLICABLE SEAL PLUG USE FORD PART NUMBER KU5T-10C930-BA. FOR DESIGN SPECIFICATIONS SEE DRAWING 6U5T-10C930-GA.



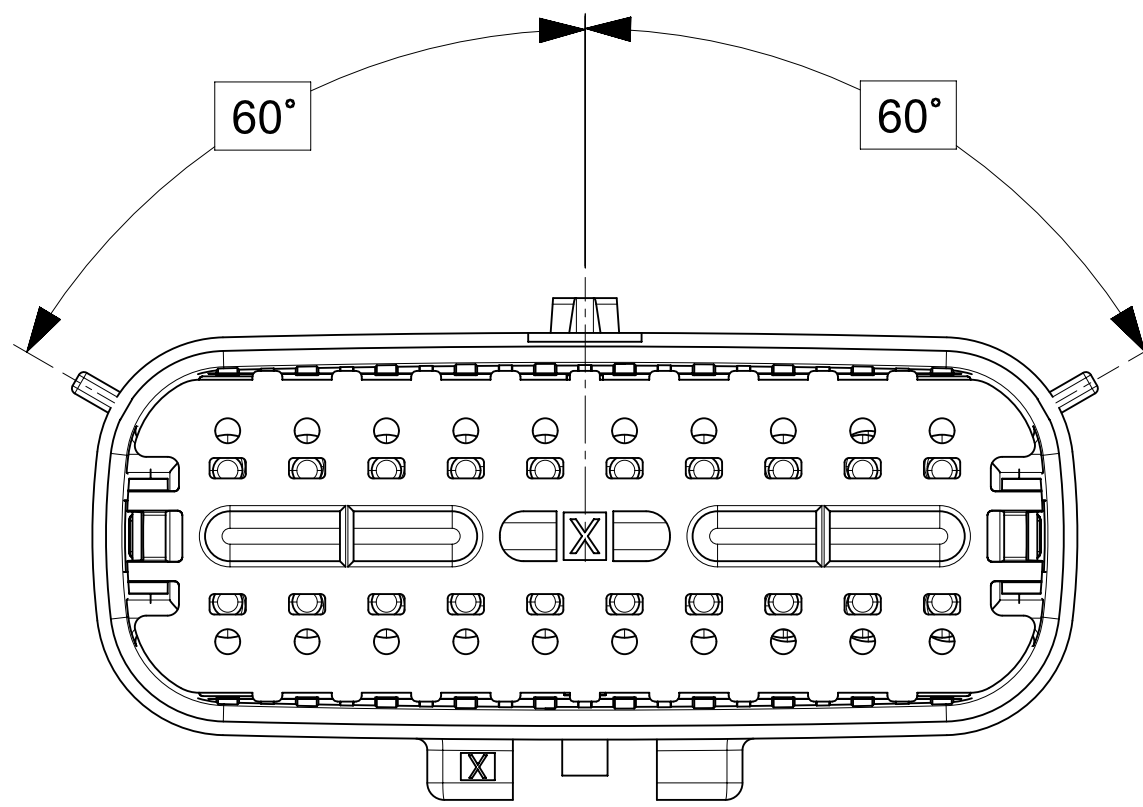
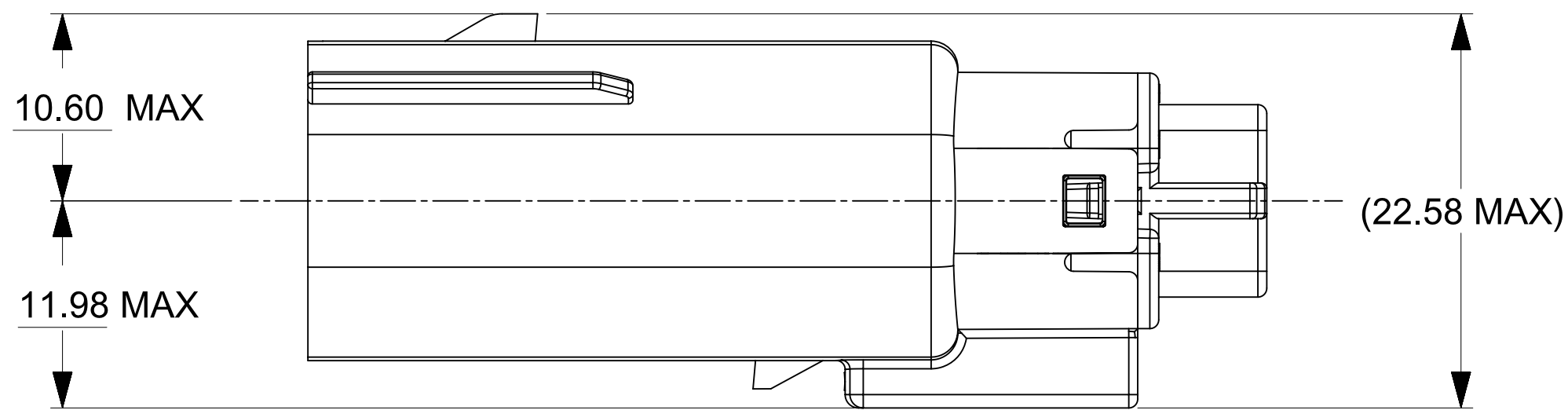
SECTION B-B
PLR SHOWN IN PRE-LOCK POSITION
SEE NOTE 13



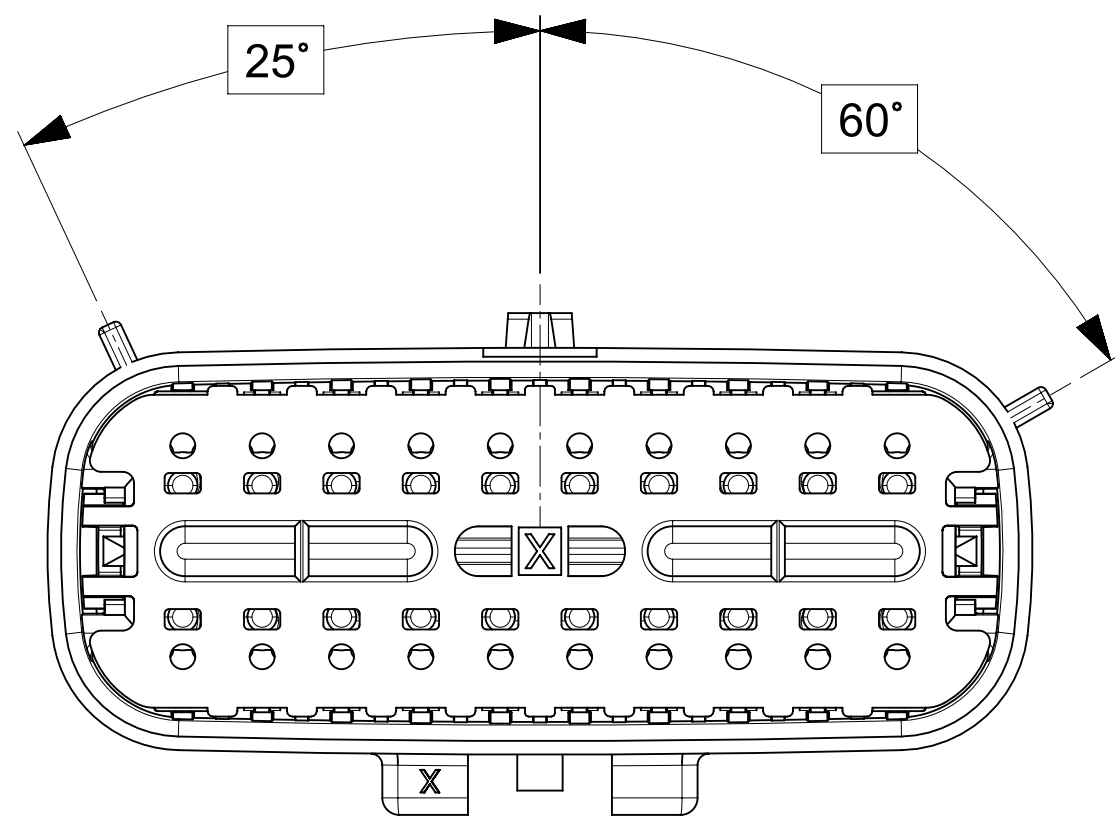
SECTION B-B
PLR SHOWN IN FINAL-LOCK POSITION
SEE NOTE 13



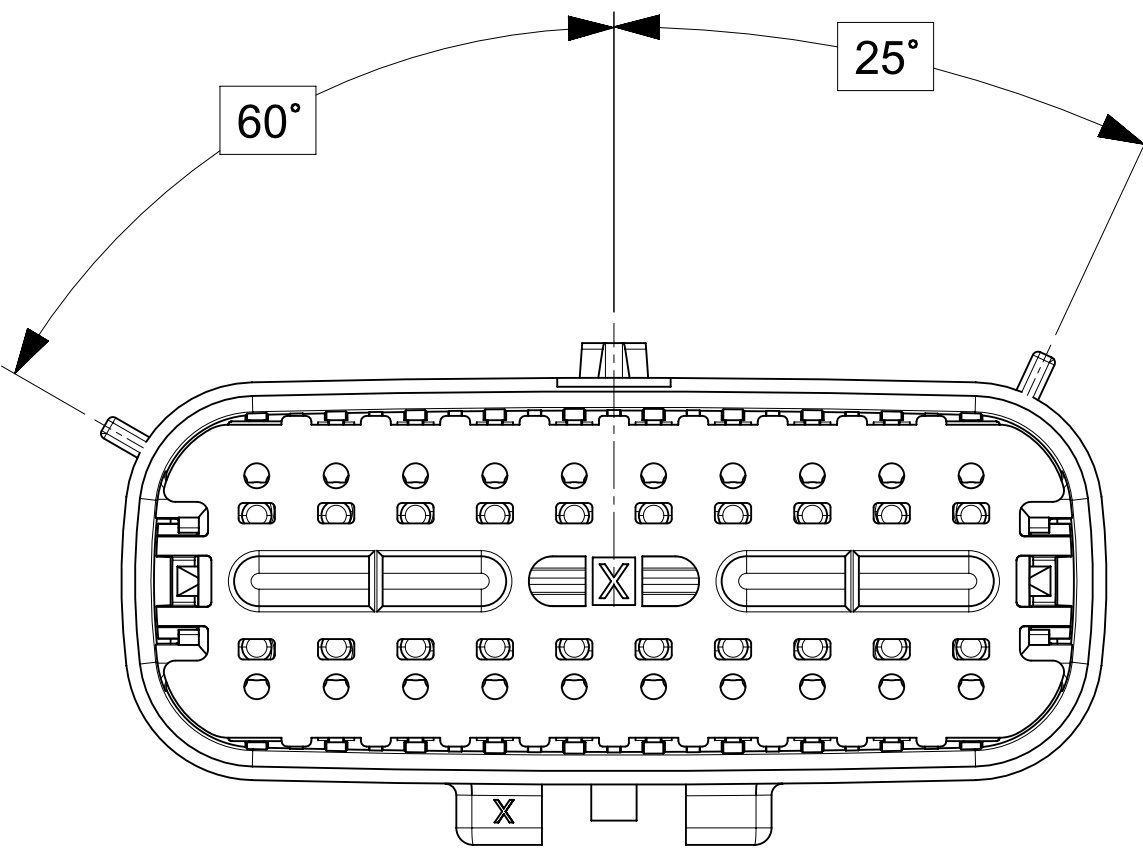
REAR VIEW
WIRE HARNESS SIDE



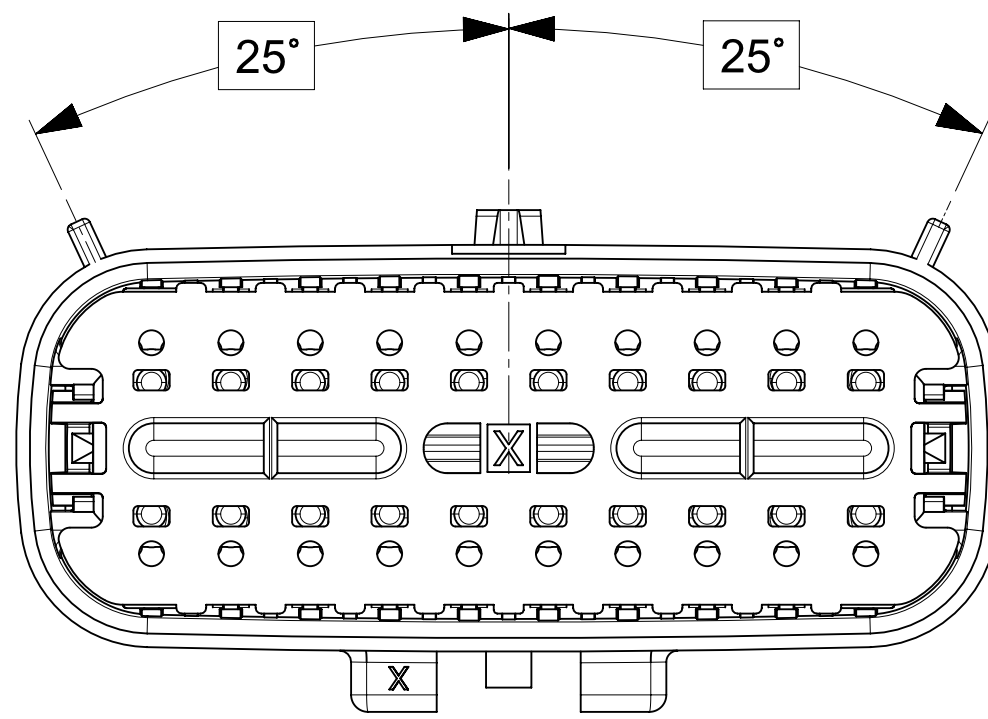
KEYING OPTION A



KEYING OPTION B



KEYING OPTION C



KEYING OPTION D

CONNECTOR ASSEMBLY CHART						
ASSEMBLY PART NO.'S		MAX TEMP.	VIBRATION CLASS	SEALING CLASS	MATING ASSEMBLY	
					FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.
FORD PART NO.	MOLEX PART NO.					
KU5T-14A624-FA	SEE PIN OUT CHART	125° C	V1	S2	MU5T-14A464-APA MU5T-14A464-ANA MU5T-14A464-ARA	SEE PIN OUT CHART
KU5T-14A624-GA	SEE PIN OUT CHART	125° C	V1	S2	MU5T-14A464-AUA MU5T-14A464-ATA MU5T-14A464-ASA	SEE PIN OUT CHART

LTRS.	REVISIONS		
ORIGINATOR	CHECKER	ENGR APP	MATL APP
A	RELEASED KU5T-14A624-FA AND KU5T-14A624-GA AELE-E-13113841-043	20160708	
KBORUSZEWSKI	MVANSLAMBROUCK	JPITTEN1	
B	UPDATED NOTE 10 AELE-E-13113841-060	20161024	
C	ADDED KU5T-14A624-FA-085 KU5T-14A624-GA-009 AELE-E-13113841-197	20180117	
CODEA	MVANSLAMBROUCK	JPITTEN1	
C1	ADDED KU5T-14A624-FA-086 THUR 089 AELE-E-13113841-218	20180416	
HKLIANG	JDENG02	KLAZAR1	
D	ADDED KU5T-14A624-FA-090 AELE-E-13113841-225	20180606	
HKLIANG	JDENG02	KLAZAR1	
E	ADDED KU5T-14A624-FA-091 THRU 094 KU5T-14A624-GA-010 AELE E 13113841 228	20180820	
NVENKATESHSH	DDEB	SNAYAK01	
F	ADDED KU5T-14A624-FA-095 THRU 106 AELE E 13113841 246	20181117	
HKLIANG	JDENG02	KLAZAR1	
G	ADDED KU5T-14A624-FA-107 THRU 109 ADDED KU5T-14A624-GA-011 AND 012 AELE E 13113841 251	20190115	
HKLIANG	JDENG02	KLAZAR1	
H	ADDED KU5T-14A624-FA-013 THRU 015 AELE E 13113841 264	20190408	
HKLIANG	JDENG02	KLAZAR1	
J	ADDED KU5T-14A624-FA-110 THRU 122 AELE E 13113841 268	20190513	
HKLIANG	JDENG02	KLAZAR1	
K	ADDED KU5T-14A624-GA-016 AELE E 13113841 275	20190529	
HKLIANG	JDENG02	KLAZAR1	
L1	UPDATED VIEWS WITH PLR: REDUCED THE TERMINAL PASS THROUGH WINDOW SIZE		
L2	UPDATED NOTES		
L3	ADDED KU5T-14A624-FA-123 THRU 125 ADDED KU5T-14A624-GA-017 RHRU 020 AELE E 13113841 302	20190801	
HKLIANG	MVANSLAMBROU	JPITTEN1	N/A
M	ADDED KU5T-14A624-FA-126 THRU 140 AELE E 13113841 295	20191021	
HKLIANG	JDENG02	KLAZAR1	N/A
N1	UPDATE MATING ASSEMBLY PART NO.		
N2	UPDATE MOLEX ASSEMBLY PART NO.		
N3	UPDATED MAT SEAL COLOR AELE-E-13113841-344	20201030	
PPALLAN	MVANSLAMBROU	JPITTEN1	N/A
P1	UPDATED MOLEX ASSEMBLY PART NO.		
P2	UPDATED FORD MATING ASSEMBLY PART NO.		
P3	UPDATED SUPPLIER MATING ASSEMBLY PART NO. AELE-E-13113841-383	20210909	
MKP	PPALLAN	KLAZAR1	N/A
R	UPDATED MATE FORCE VALUE. PREVIOUSLY WAS 92.18 N AELE-E-13113841-405	20220418	
MKP	JDFOX	JCHAPP19	N/A

molex

COMPANY NAME	MOLEX
PHONE NUMBER	
ADDRESS	3499 W. HAMLIN ROAD
CITY, STATE, ZIP CODE & COUNTRY	ROCHESTER HILLS, MICHIGAN 48309, USA
ENGR APP	APP DATE
GSDS CODE	SUPPLIER PART NUMBER

REFERENCE 20 CKT 1.5MM MALE SEALED MX150 CONNECTOR

MUST CONFORM TO: RESTRICTED SUBSTANCE MANAGEMENT STANDARD WSS-M99P9999-A1 TO SAFEGUARD HEALTH, SAFETY & ENVIRONMENT
DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD & DRAFTING STANDARDS VERSION 30



CAD TYPE	CAD LOC	CAD FILE			DTMC
NX	N/A	N/A			IS MASTER
PLANT CODE	LINE CODE	OPER NO.	BT NO.	STATION	SIZE
N/A	N/A	N/A	N/A	N/A	A0
PLANT NAME		DEPT NO.	DESIGN	SCALE	SHT 1
N/A		N/A	CBOWDEN	3:1	OF 2

TITLE / PART NAME		
SLV ASY WIR CONN MLE		
DRAWING / PART NO.		N/A
KU5T-14A624-FA		
PART NUMBERS		
KU5T-14A624-GA		
FORD MOTOR COMPANY		

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26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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