

23		22		21		20		19		18		17		16		15		14		13		12													
Assembly Numbers		PCL	Key Option	Color	Housing	Components										Plugged (X) Seal Positions																Total Circuits	Test Method	Mates With Assembly (Reference Only)	
With CPA	No CPA					CPA	TPA	Retainer	Ring Seal	Mat Seal		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16								
54241630	54241630N	E	A	Black	54241680																						16			54241600	54241604				
54241631	54241631N	E	B	Grey	54241681			54241691																			16			54241601	54241605				
54241632	54241632N	E	C	Brown	54241682																						16			54241602	54241606				
54241633	54241633N	E	D	Green	54241683																						16			54241603	54241607				
54241634	54241634N	E	A	Black	54241680														X								15			54241608	54241610				
54241635	54241635N	E	B	Grey	54241681														X								15			54241609	54241611				
54241636	54241636N	E	A	Black	54241680														X	X							14			54241612	54241614				
54241637	54241637N	E	B	Grey	54241681														X	X							14			54241613	54241615				
54241638	54241638N	E	A	Black	54241680							X							X	X							13			54241616	54241618				
54241639	54241639N	E	B	Grey	54241681							X							X	X							13			54241617	54241619				
54241640	54241640N	E	A	Black	54241680							X							X	X							12			54241620	54241622				
54241641	54241641N	E	B	Grey	54241681							X							X	X							12			54241621	54241623				
54241642	54241642N	F	A	Black	54241680			54241686		54241687	54241688								X								11			54241624					
54241643	54241643N	F	A	Black	54241680							X							X	X							11			54241625					
54241644	54241644N	F	A	Black	54241680							X															10			54241626					
55241600	55241600N	H						54241690				X	X	X	X				X	X							10								
55241601	55241601N	H										X	X	X	X				X	X							11								
55241602	55241602N	H										X	X	X	X	X			X	X							6								
55241603	55241603N	H										X	X	X	X				X	X							7								
55241604	55241604N	J																									14								
55241605	55241605N	J																									11								
F996100		A																	X	X							11								
F007100		A																	X	X							11								
F107100		A										X	X	X	X	X											5								
F207100		A																	X	X							10								
F328100		A																									10								

M

L

K

J

I

H

G

F

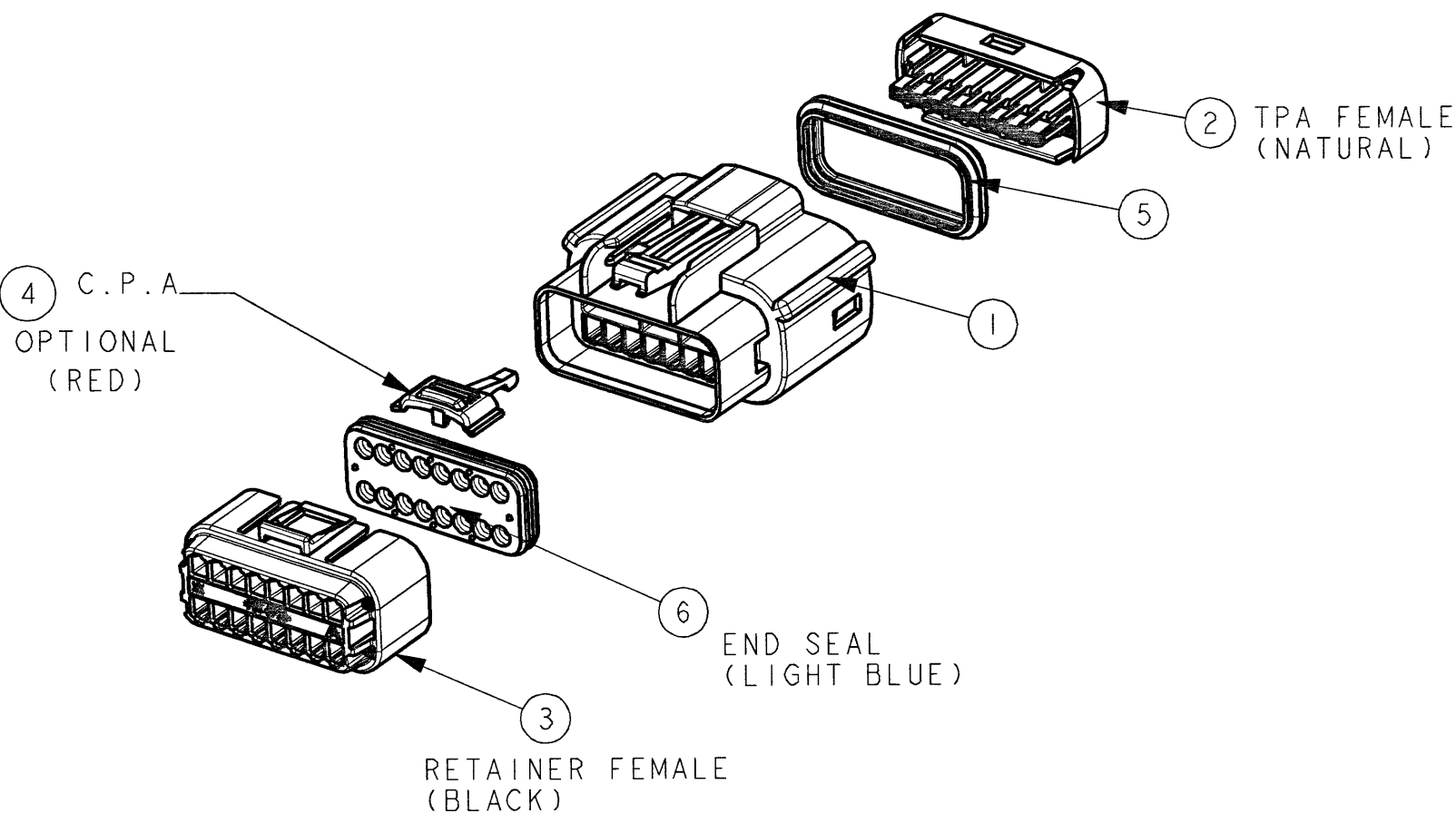
E

D

C

B

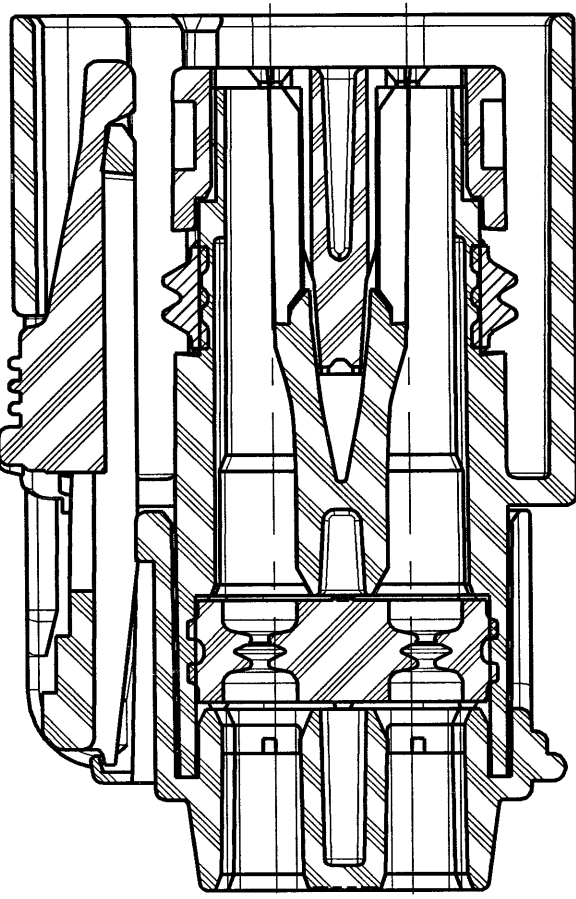
A



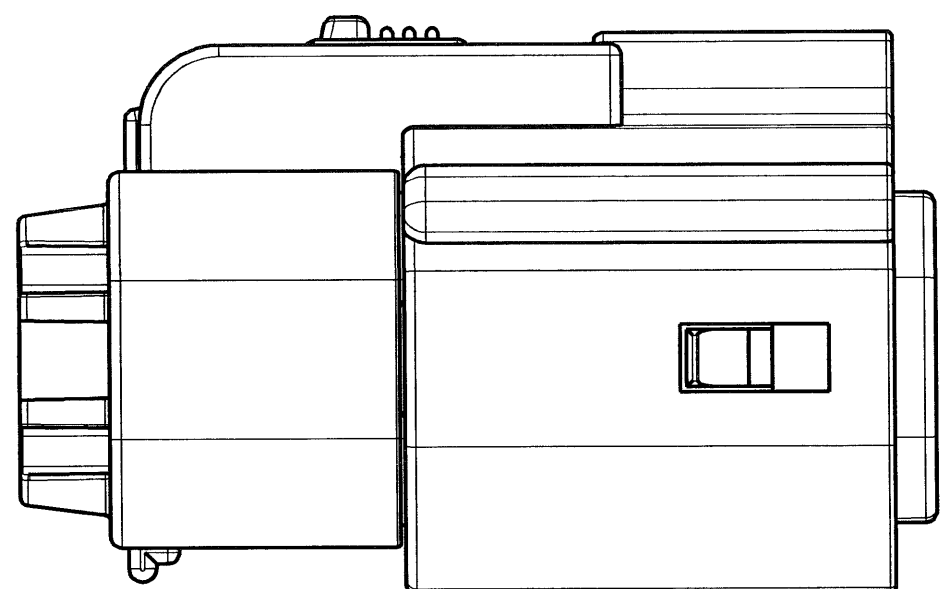
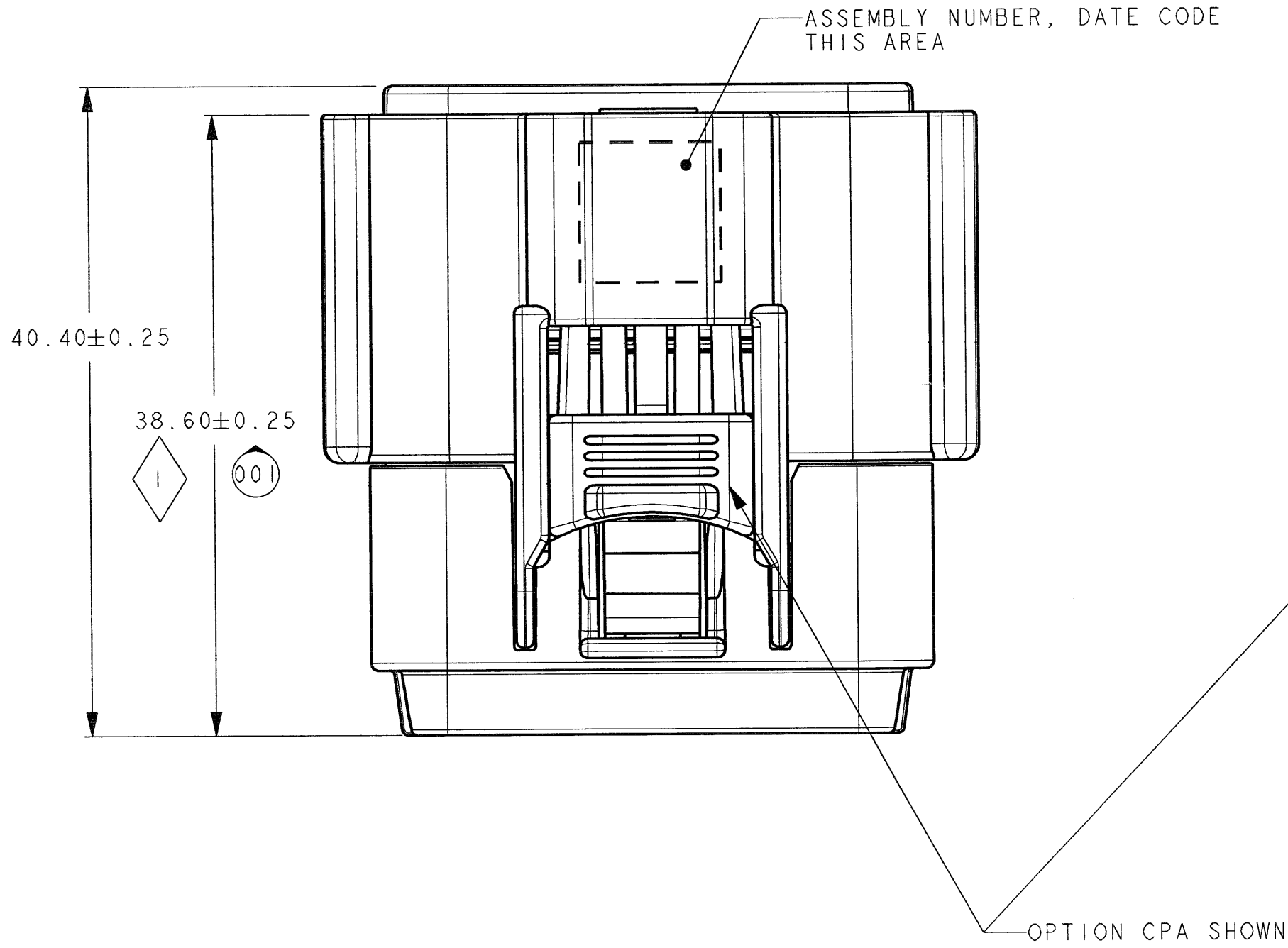
ACTUAL SIZE VIEW

APPLICABLE COMPONENTS			
SUPPLIER COMP PART NUMBER	ITEM DESCRIPTION	PLATING	GRIP SIZE
54001625	APEX 150 TERMINAL	TIN	16,18
54002000	APEX 150 TERMINAL	TIN	20,22
54001627	APEX 150 TERMINAL	GOLD	16,18
54002002	APEX 150 TERMINAL	GOLD	20,22
54241629	1.5 UNIVERSAL SEAL PLUG	-	-

- NOTES:
- 1) MAXIMUM TEMPERATURE CLASS: CLASS 3 (125°C)
 - 2) TEST METHOD PER: SAE/USCAR-2 REV-4 SAE/USCAR-20 REV-2
 - 3) CONNECTOR MAY BE USED WITH THE FOLLOWING RANGE OF WIRE SIZES/TYPES:
 - SIZE: 22 GAGE - 16 GAGE - 1.50mm MIN O.D. TO 2.41mm MAX O.D.
 - TYPE: TPL (MIL123-A /MS-8288)
 - CONTACT FCI ENGINEERING REGARDING USE OF OTHER WIRE TYPES AND/OR SIZES
 - 4) CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
 - FCI APEX150 WITH WIRE SIZES DEFINED IN NOTE 3
 - SEE FCI DRAWING JS4011 FOR SPECIFIC PART NUMBERS AND CRIMPING REQUIREMENTS
 - CONTACT FCI ENGINEERING REGARDING USE OF COMPATIBLE NON FCI TERMINALS
 - 5) ANNUAL QUALITY REQUIREMENTS:
 - IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION RAQA-001 INSTEAD OF ANNUAL LAYOUT AND ANNUAL PV REQUIREMENTS OF QS-9000 SECTION 2 AND SAE/USCAR-2 REV-4.
 - 6) INTERFACE REQUIREMENTS:
 - MATES WITH FCI CONNECTORS AS SPECIFIED IN CHART AND WITH DEVICES THAT CONFORM TO USCAR ISO-S-016-2-201
 - 7) 1 QUALITY ASSURANCE REQUIREMENTS SPC DATA, REQUIRED



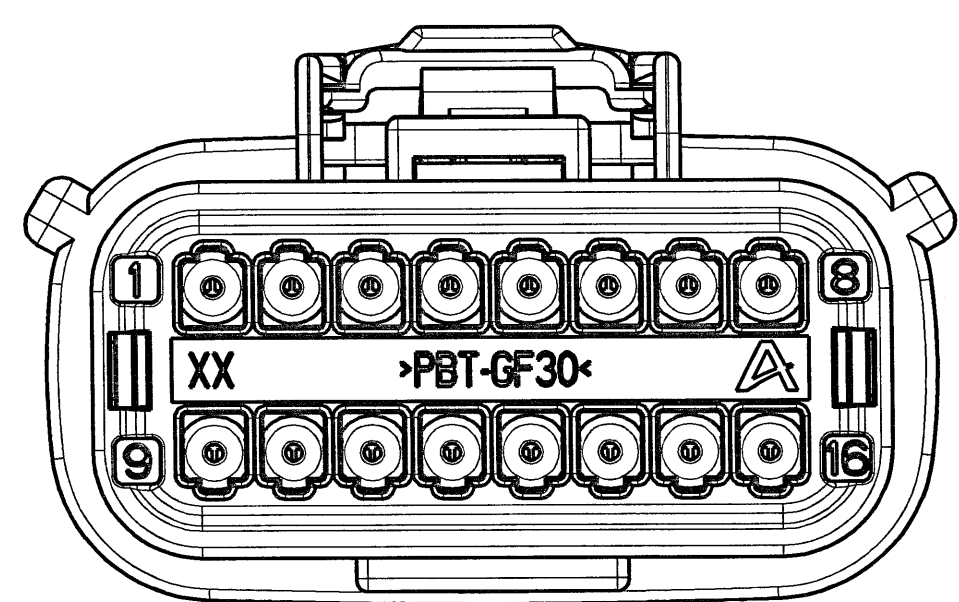
SECTION A-A
C.P.A. & T.P.A. IN FINAL POSITION



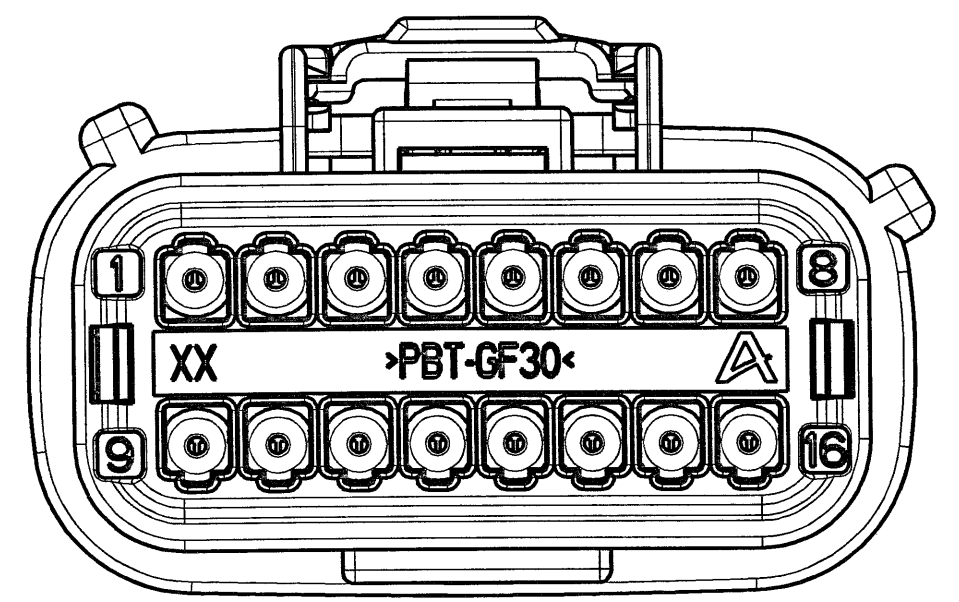
SECTION B-B
C.P.A. & T.P.A. IN PRE-ASSEMBLED POSITION (SHOWN WITH OPTIONAL C.P.A.)



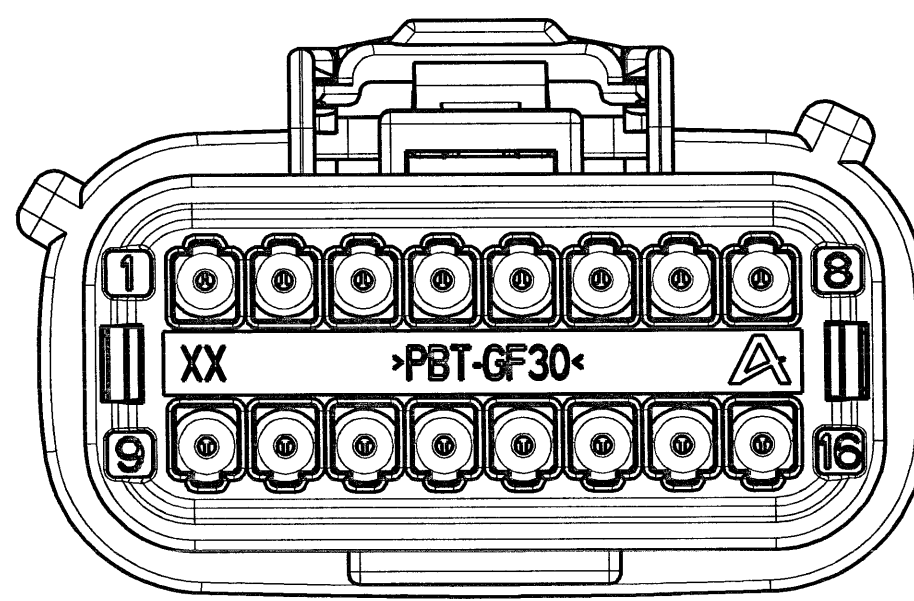
ISO-VIEWS, FULL SIZE



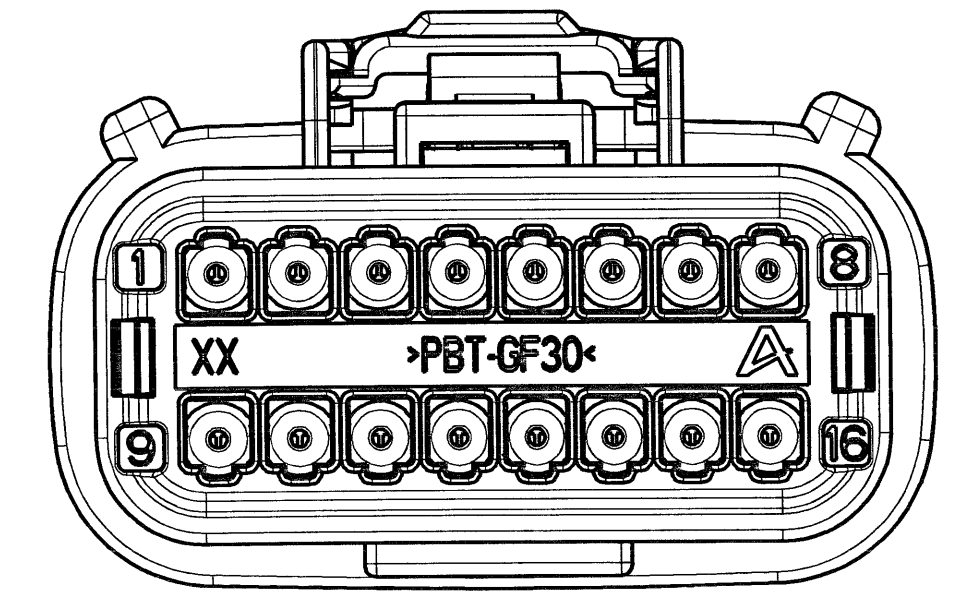
OPTION A



OPTION B



OPTION C



OPTION D

POLARIZATION OPTIONS

10241	03/07/2008	H	CHART	ADDED P/N F328100	FAH	FAH	FAH
10110	02/14/08	L	CHART	ADDED 150108, 150110, 150109 AND 150108 (AT PCL 151)	RCB	RCB	RCB
NOTES					RCB	RCB	RCB
10026	11/10/07	H	NOTES	REVISED NOTES 3 & 4	RCB	RCB	RCB
9914	10/01/07	J	CHART	ADDED ASSYS 55241600N/55241605N	RCB	RCB	RCB
9905	08/29/07	H	CHART	ADDED ASSYS 55241600N/55241605N	RCB	RCB	RCB
9905	07/18/07	G	CHART	ADDED PCL1	RCB	FAH	FAH
9902	07/12/07	F	CHART	REVISED DRAWING LAYOUT	RCB	FAH	FAH
7697	04/29/06	E	CHART	RETAINER PART NUMBERS REVISED	FAH	FAH	FAH
7337	12/14/04	D	AT-P23	VIEWS UPDATED TO REFLECT NEW LATCH	FAH	FAH	FAH
I	I	I	H22	(24.74) WAS (24.24)	I	I	I
1035	08/03/04	C	CR	CORRECTED ALLOWED WIRE SIZE RANGE	FAH	FAH	FAH
6935	07/17/04	B	J17	ADDED PLUGGED VERSION TO CHART	FAH	FAH	FAH
ADDED EXPLODED VIEW							
ADDED NOTES							
M14-016 CORRECTED BALLBOON NUMBERS TO MATCH CHART							
F23 ADDED 40.40±0.25							
M14-016 ADDED COLOR CALLOUTS TO EXPLODED VIEW							
M3-P3 KEY OPTIONS CORRECTED (B & D SWITCHED)							
H8 ADDED "MATES WITH" TO CHART							
ADDED ASSEMBLY NUMBERS REVISED							
6571	04/16/04	A	RELEASED		JAP	FAH	FAH
EXC NUMBER	DATE	W/O IT	REVISION	OWN	OWN	OWN	OWN
APPLICATION SPEC					THIS DRAWING AND ALL OTHER INFORMATION CONTAINED HEREIN IS THE PROPERTY OF FCI. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE ORDER ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF FCI.		
MATERIAL					FCI		
COLOR					DIMENSION IN MILLIMETERS		
DO NOT SCALE DRAWING					100 IN. DIM. N/A		
T. DATE					DRAWING NUMBER		
T. NAME					APEX 150 ASSEMBLY 16 WAY FEMALE		
T. TITLE					K36002		
T. DATE					FILE NAME		
T. NAME					K36002		
T. DATE					DATE 3.1		
T. NAME					K36002		