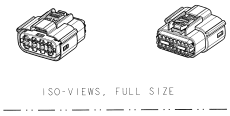
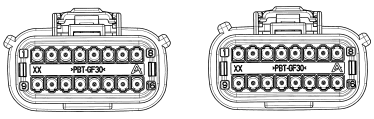
Assembly Numbers		PCL	Key Option	Color	Components					Plugged (X) Seal Positions																		Total Circuits	Test Method	Mates With Assembly (Reference Only)	
W-ITS CPA	No CPA				Housing	CPA	TPA	Retainer	Ring Seal	Mat Seal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
54241630	54241630N	E	A	Black	54241680																						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								X	12		54241620	54241622
54241641	54241641N	E	B	Grey	54241681						X						X	X								X	12		54241621	54241623
54241642	54241642N	F	A	Black	54241680	54241679 (If Required)	54241686		54241687	54241688		X						X								X	13	USCAR-2 Rev 4 USCAR-2B Rev 2	54241624	
54241643	54241643N	F	A	Black	54241680							X			X	X							X			X	11		54241625	
54241644	54241644N	F	A	Black	54241680			54241690																		X	11		54241626	
55241600	55241600N	H									X		X	X		X		X									10			
55241601	55241601N	H	B	Gray	54241681						X			X				X									11			
55241602	55241602N	H									X	X	X	X	X	X		X	X	X							14			
55241603	55241603N	H																				X					6			
55241604	55241604N	J												X		X						X					11			
55241605	55241605N	J												X		X						X					11			
F896100		A													X	X	X										11			
F007100		A	A	BLACK	54241680										X	X	X										11			
F107100		A									X	X	X	X	X	X	X										15			
F207100		A													X	X	X										10			
F328100		A											X	X	X												10			

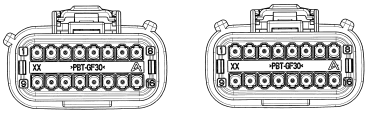


ISO-VIEWS, FULL SIZE



OPTION A

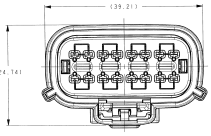
OPTION B

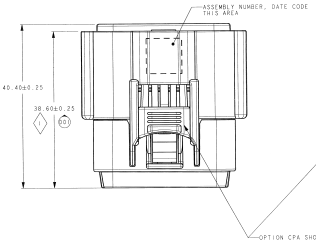


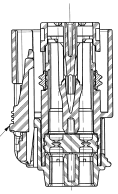
OPTION C

OPTION D

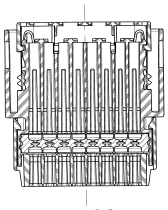
POLARIZATION OPTIONS



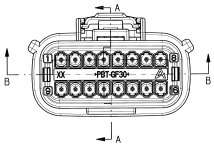


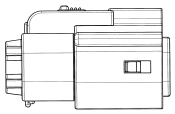


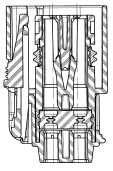
SECTION A-A
C.P.A & T.P.A IN PRE-ASSEMBLED POSITION
(SHOWN WITH OPTIONAL C.P.A.)



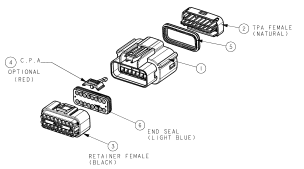
SECTION B-B







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



ACTUAL SIZE VIEW

SUPPLIER COMP PART NUMBER	APPLICABLE COMPONENTS ITEM DESCRIPTION	PLATING	GRIP SIZE
54001625	APEX 150 TERMINAL	TIN	16,18
54002000	APEX 150 TERMINAL	TIN	20,22
54031827	APEX 150 TERMINAL	GOLD	16,18
54032202	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-26 REV-2

3) CONNECTOR MAY BE USED WITH THE FOLLOWING RANGE OF WIRE SIZES/TYPES:
   -SIZE:22 GAGE - 16 GAGE- (.50mm MIN O.D. TO 2.41mm MAX O.D.
   -TYPE: TXL (MIL)23-A /MS-B280)
   -CONTACT FCI ENGINEERING REGARDING USE OF OTHER WIRE TYPES AND/OR SIZES

4) CONNECTOR MAY BE USED WITH THE FOLLOWING TERMINALS:
   - APEX150 WITH WIRE SIZES DEFINED IN NOTE 3.
   - SEE FCI DRAWING -54001 FOR SPECIFIC PART NUMBERS AND CRIMPING REQUIREMENTS.
   -CONTACT FCI ENGINEERING REGARDING USE OF COMPATIBLE NON FCI TERMINALS.

5) ANNUAL QUALITY REQUIREMENTS:
   - CUSTOMER MAY ELECT TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION B4QA-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 5-016-2-201

7) ⟨1⟩ QUALITY ASSURANCE REQUIREMENTS SPC DATA, REQUIRED

UNCONTROLLED

FCI AUTOMOTIVE
3/10/2006
AMERICAS
FCI MASTER COPY WHEN IN RED

ECR/ECO	DATE	REVISION	DWN	CHANGE DESCRIPTION	DRAWN BY	CHK BY	APPR BY
1	03/07/2006	A		RELEASED	JAY	TAH	TAH

DRAWING NO.	SHEET
K36002	1

APEX 150
ASSEMBLY 16 WAY FEMALE

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