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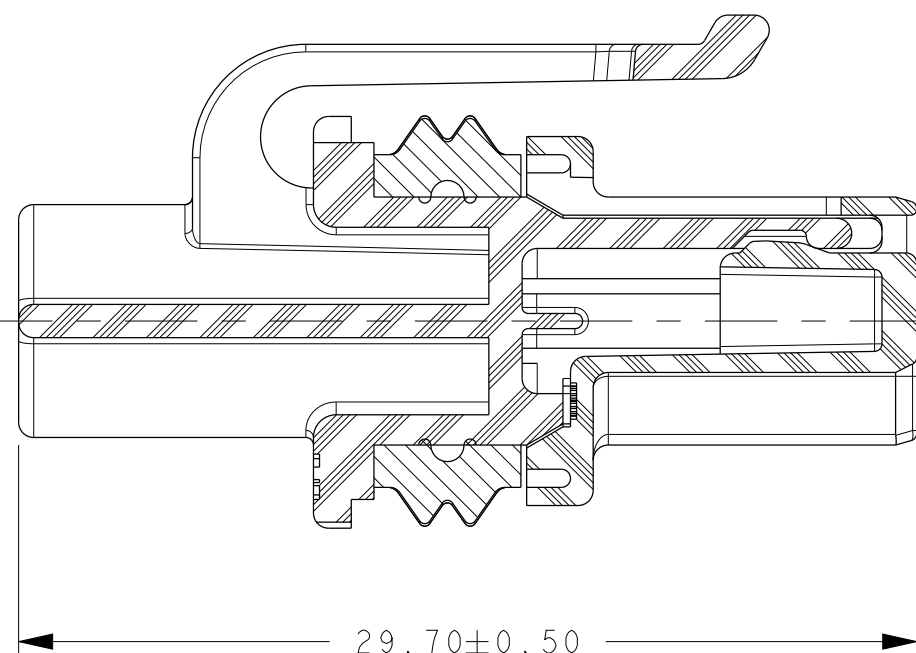
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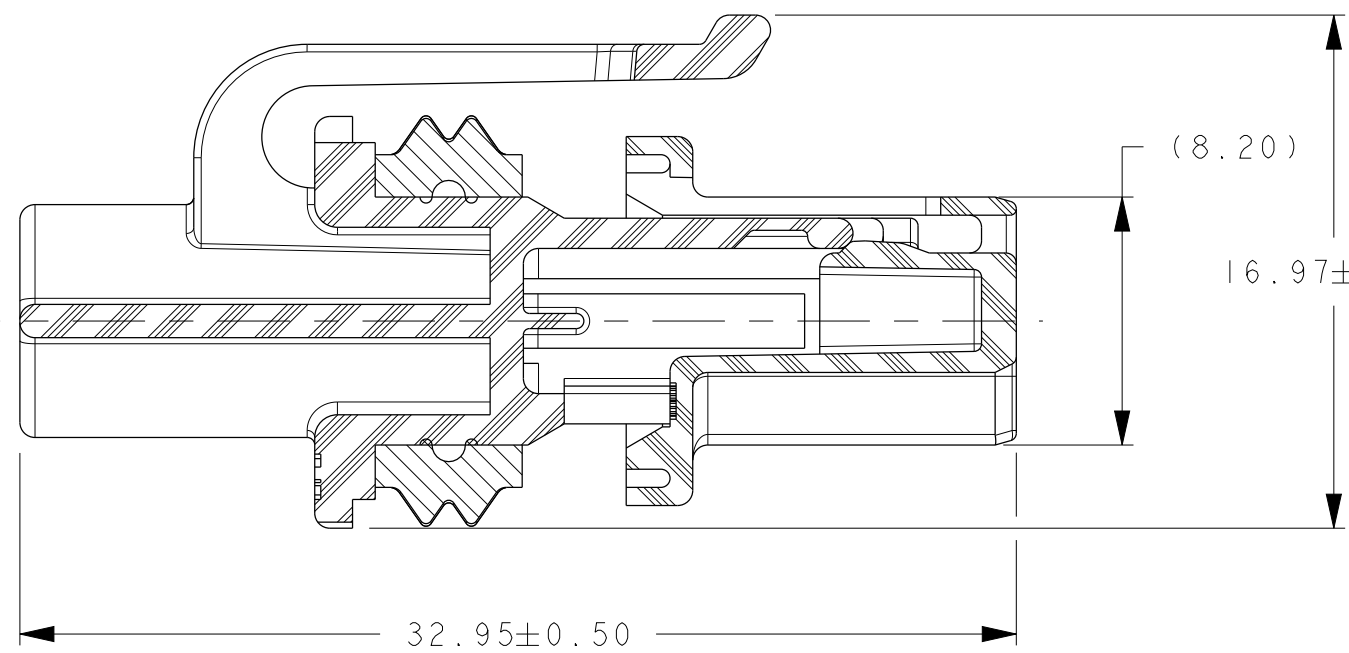
M

COMPONENTS LIST							
CONNECTOR PART NUMBER	CONFIGURATION	NHTSA DEFINITION (FOR REFERENCE ONLY)	CEI 60061-1 STANDARD (FOR REFERENCE ONLY)	PART NUMBERS			
				#1 TPA	#1 TPA COLOR	#2 HOUSING (BLACK)	#3 SEAL (BLUE)
F412210	9012 / HIR2	NHTSA-1998-3397-0003	7004-32-2	F612210	BROWN	F512210	240M041
F908310	9005 / HB3	NHTSA-1998-3397-0012	7004-31-2	F257210	BLACK		

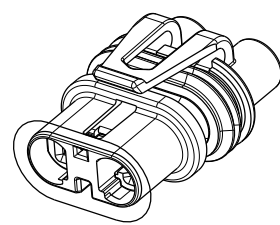
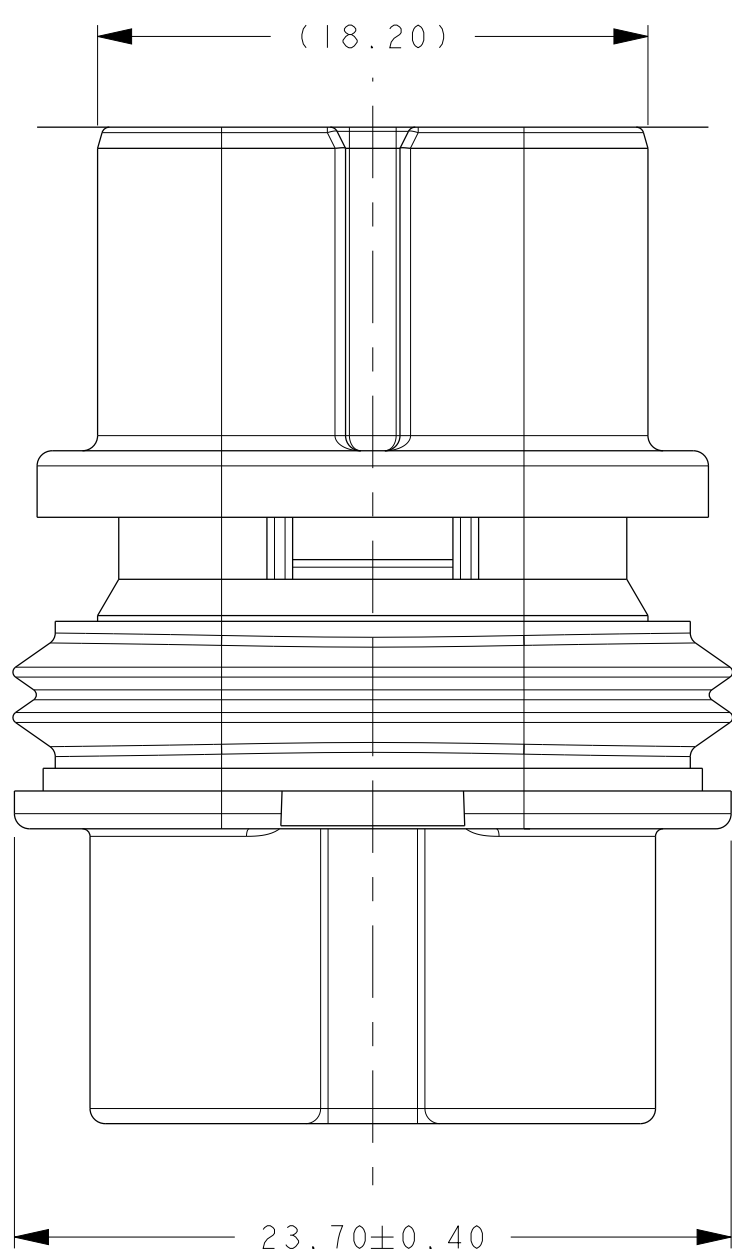
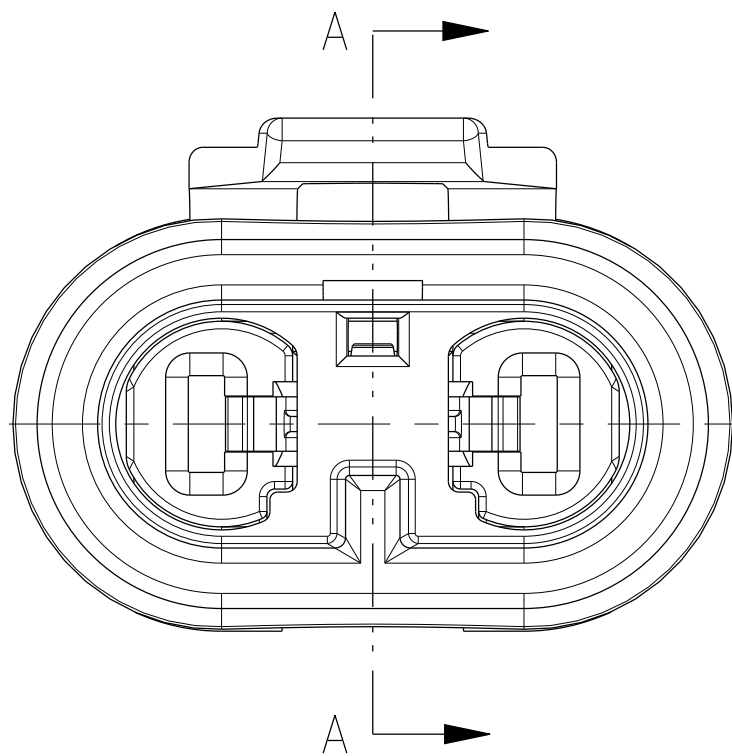
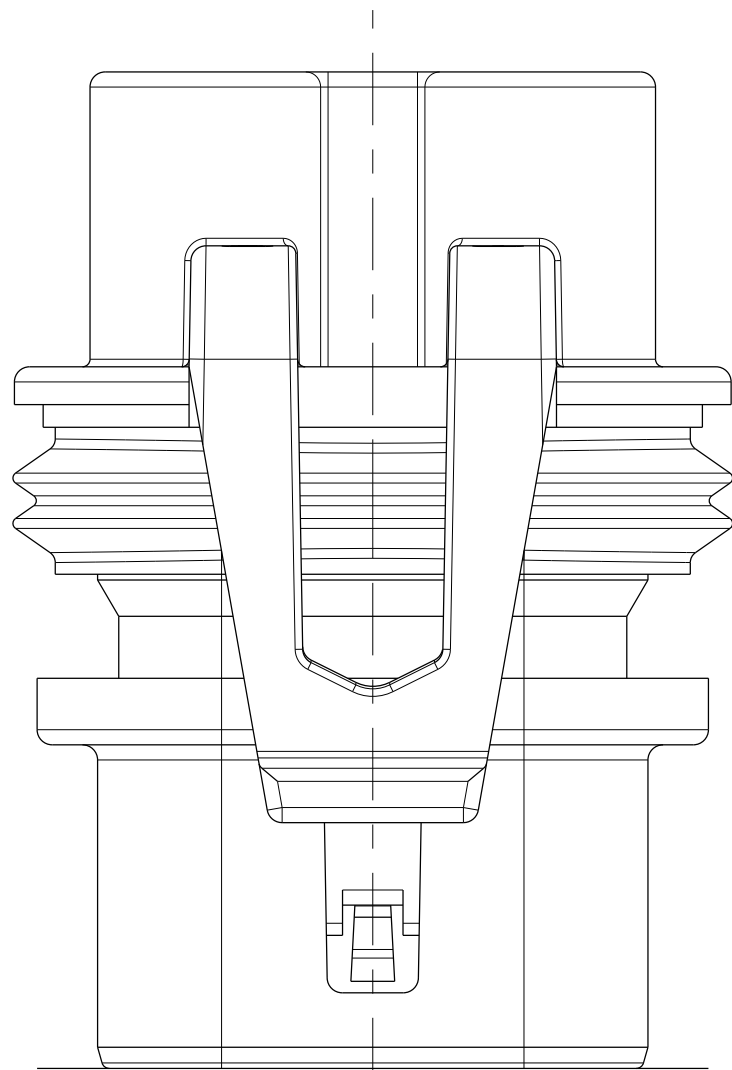
APPLICABLE COMPONENTS								
ITEM DESCRIPTION	PLATING OR COLOR	FORD COMP PART NUMBER	SUPPLIER	FCI / SUPPLIER PART NUMBER	GRIP CODE	WIRE SIZE	WIRE INSULATION DIAMETER RANGE	MATERIAL
APEX 2.8 FEMALE TERMINAL	SILVER	-	FCI	F820310	14	14 AWG 1.50-2.50mm ²	2.20mm-3.00mm	COPPER ALLOY
2.80mm SYSTEM CABLE SEAL ROUND	BLUE	8U5T-14603-NA	FCI (QSR)	F576000	-	14 AWG 1.50-2.0mm ²	2.20mm-2.80mm	SILICONE
2.80mm SYSTEM CABLE SEAL ROUND	YELLOW	BU5T-10C930-HA	FCI	60994034	-	2.5mm ²	2.50mm-3.00mm	SILICONE



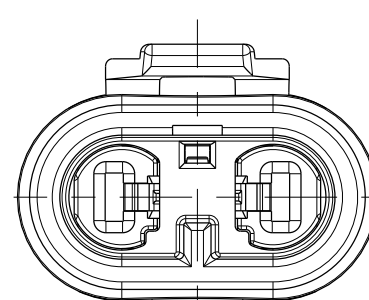
SECTION A-A
TPA SHOWN
IN LOCKED POSITION



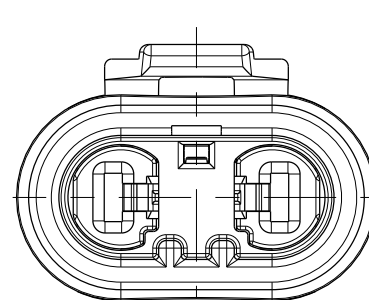
SECTION A-A
TPA SHOWN
IN OPEN POSITION



SCALE 1:1

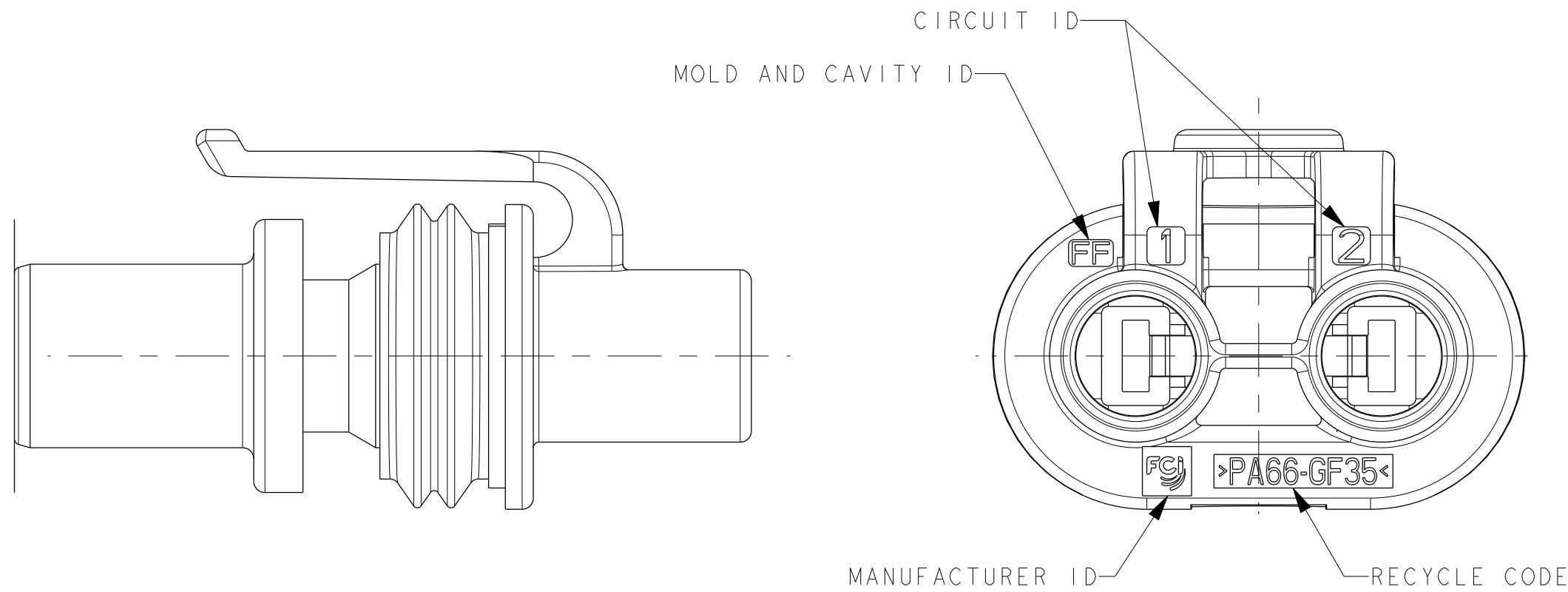


CONFIGURATION 9012 / HIR2
SCALE 2:1



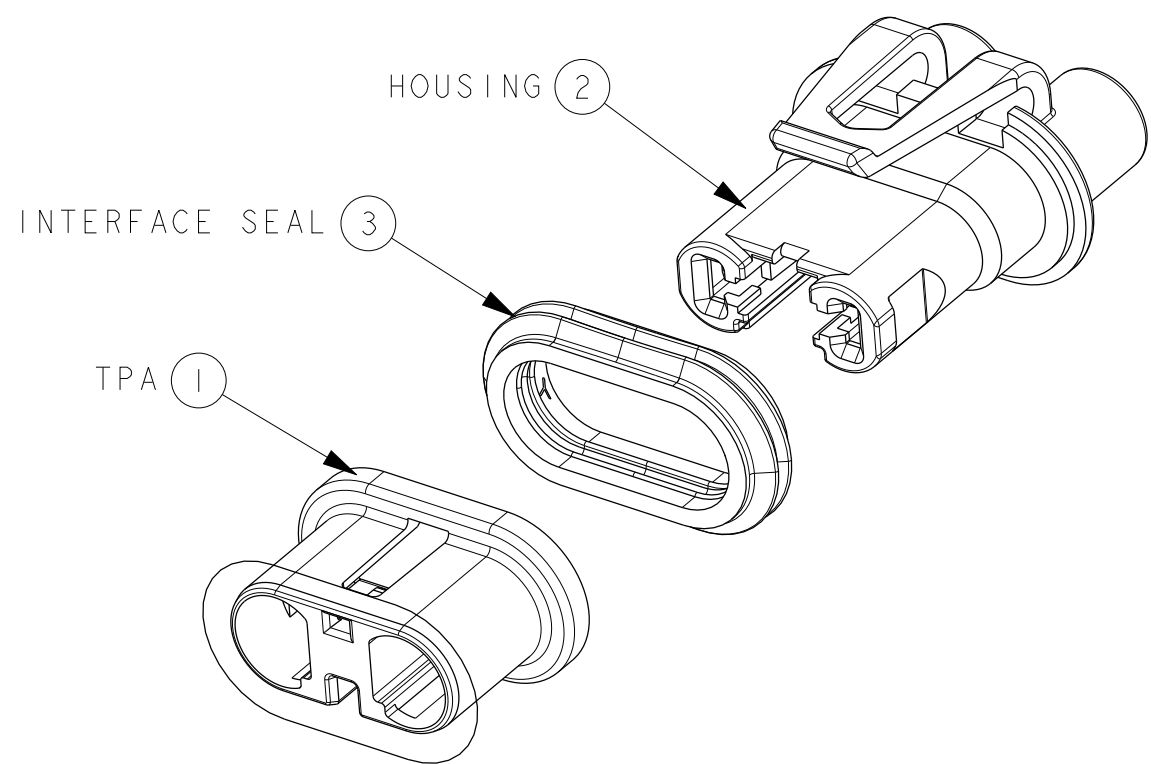
CONFIGURATION 9005 / HB3
SCALE 2:1

POLARIZATION OPTIONS



NOTES UNLESS OTHERWISE SPECIFIED:

- BULB HEATING EFFECT IN LIGHTING APPLICATIONS MUST BE CONSIDERED BY THE SPECIFYING PARTY AS TO APPROPRIATE WIRE, CABLE SEAL, AND TERMINAL SELECTION AND FOR EACH LIGHTING SYSTEM'S VALIDATION TESTING. USE OF LARGEST CONDUCTOR WIRE WITH 150°C RATING IS STRONGLY RECOMMENDED IN ALL BULB OR OTHER SELF-HEATING APPLICATIONS.
- TEST METHOD PER: GMW3191 VI / S3 / T4 (150°C) MATED TO HIR2 BULB, UNPOWERED (BULB HEATING EFFECT NOT INCLUDED) WITH THE FOLLOWING EXCEPTIONS:
 - GMW3191 4.29 SUBMERSION: @185°C
 - GMW3191 4.21 THERMAL AGING: CONNECTOR @150°C, BULB ENVELOPE @100°C, 2000 HOURS, 9012/HIR2 BULB POWERED @13.0VDC
- CONNECTOR TO BE USED WITH THE FOLLOWING RANGE OF WIRE SIZES AND TYPES:
 - WIRE SIZES: 1.50mm² - 2.50mm² AND 14 AWG
 - OUTSIDE DIAMETER: 2.20MM MIN O.D. TO 3.00MM MAX O.D.
 - TYPE/STANDARD: MS-9502, ES-AU5T-1A348-AA Class 4, ISO6722 Class D
 - TEMP RATING: 150°C MINIMUMCONTACT FCI ENGINEERING REGARDING USE OF OTHER WIRE SIZES OR TYPES. SEE NOTE #1.
- SEE FCI DRAWING C15004-CUST FOR TERMINAL CRIMPING REQUIREMENTS.
- CONNECTOR IS MATE COMPATIBLE WITH BULBS/INTERFACES WHICH CONFORM TO THE STANDARDS SHOWN IN THE CHART.
- ANNUAL QUALITY REQUIREMENTS:
IT IS PERMISSIBLE TO PERFORM CONTINUOUS CONFORMANCE PER FCI SPECIFICATION AQA-001 INSTEAD OF ANNUAL LAYOUT AND ANNUAL PV REQUIREMENTS OF QS-9000 SECTION 2 AND SAE/USCAR-2.



EXPLODED VIEW
SCALE 2:1

12-00611	-	INITIAL RELEASE	
ECN NO.	ZONE	CHANGE DESCRIPTION	
PRODUCT SPEC.	PACKAGING SPEC.	APPLICATION SPEC.	THIS DRAWING AND ALL OTHER INFORMATION CONTAINED THEREIN IS PROPRIETARY AND THE PROPERTY OF FCI. THIS DRAWING MAY NOT BE COPIED, REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE EXPRESSED WRITTEN PERMISSION OF FCI. FCI April 10, 1999
TOLERANCES	MATERIAL :	SEE TABLE	SURFACE FINISH
CONTRIBUTOR N.	COLOUR :	SEE TABLE	
DO NOT MEASURE DRAWING	TOOL NO.	-	ECO Loc. Code AN
DATE	NAME	TITLE	DRAWING NUMBER
20120502	Frank HOLZ	2W Female Connector	PCC0783031
20120505	Frank HOLZ	HIR2/HB3 BULB CONNECTOR	STATE
20120505	Frank HOLZ	PART NUMBER	REV.
20120505	Frank HOLZ	ESR NO.	REV.
20120505	Frank HOLZ	CAT. NO.	REV.
20120505	Frank HOLZ	FILE NAME	SCALE
20120505	Frank HOLZ	DOCUMENT UNDER PDS CONTROL NO MODIFICATION ALLOWED OUTSIDE	SCALE 4.00