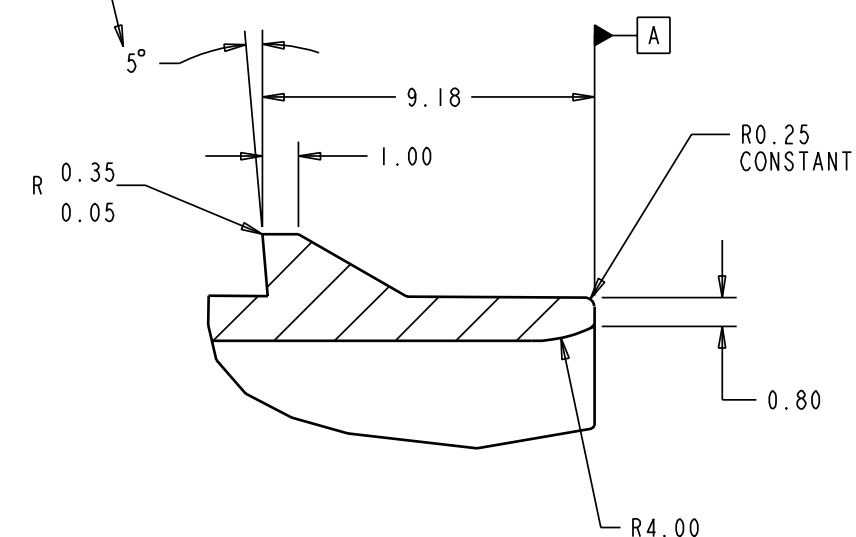
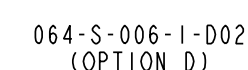
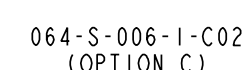
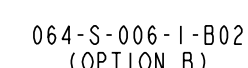


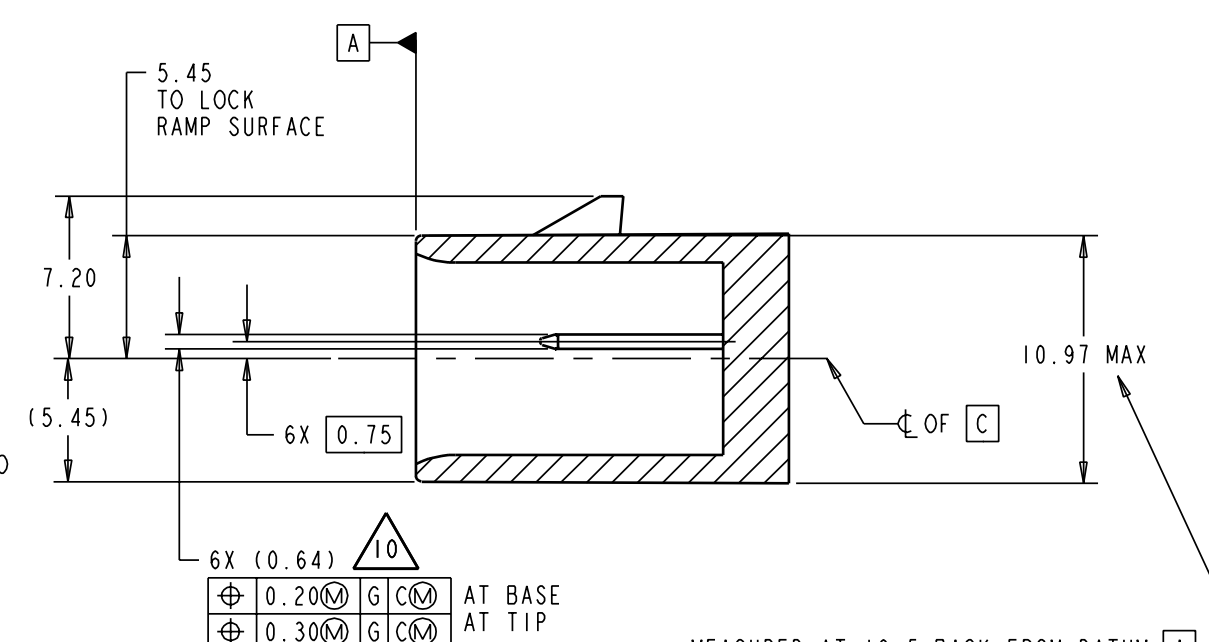
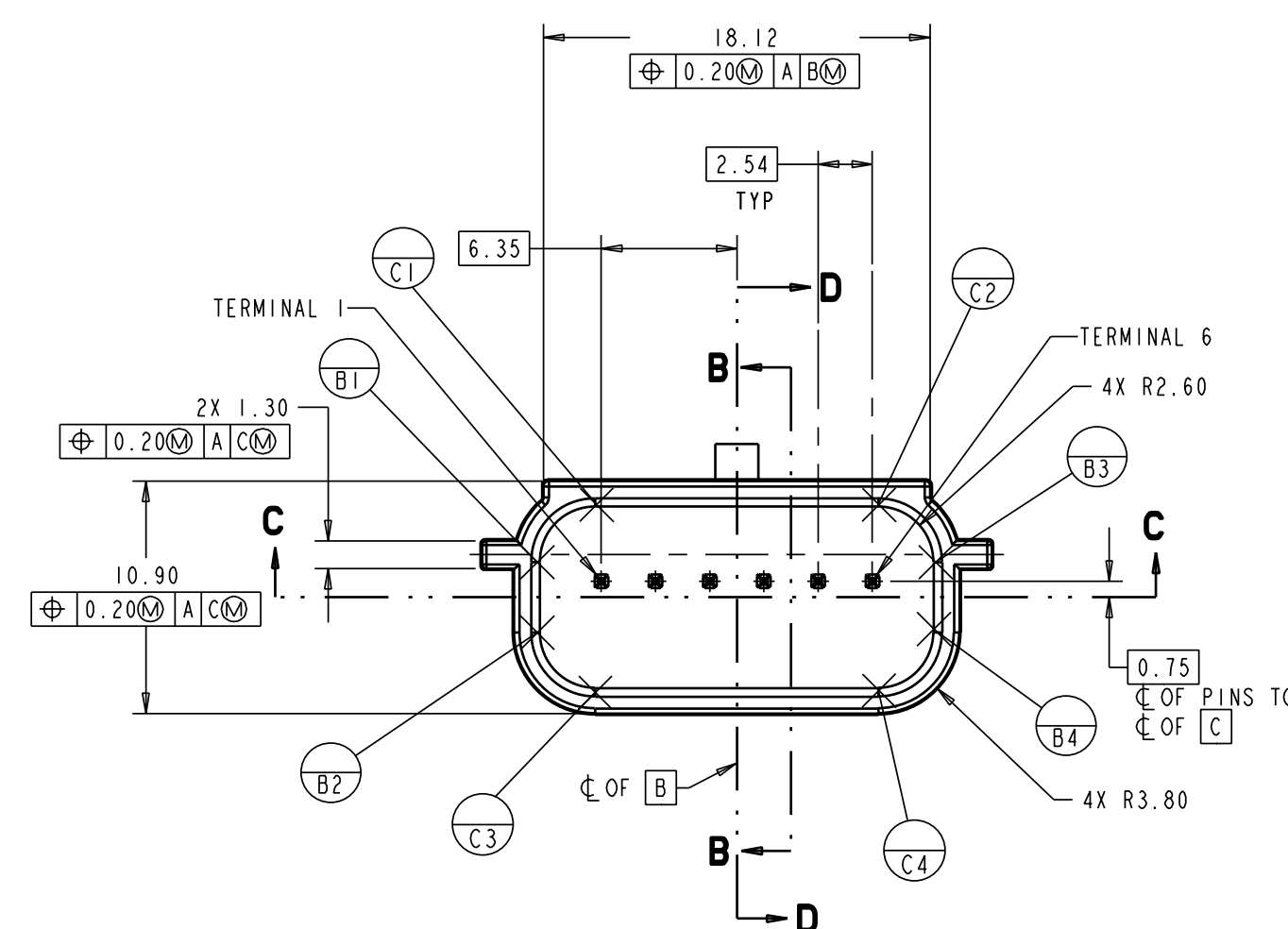
ELIMINATION OF BACK ANGLE—
REQUIRES APPROVAL OF
RESPONSIBLE ENGINEER



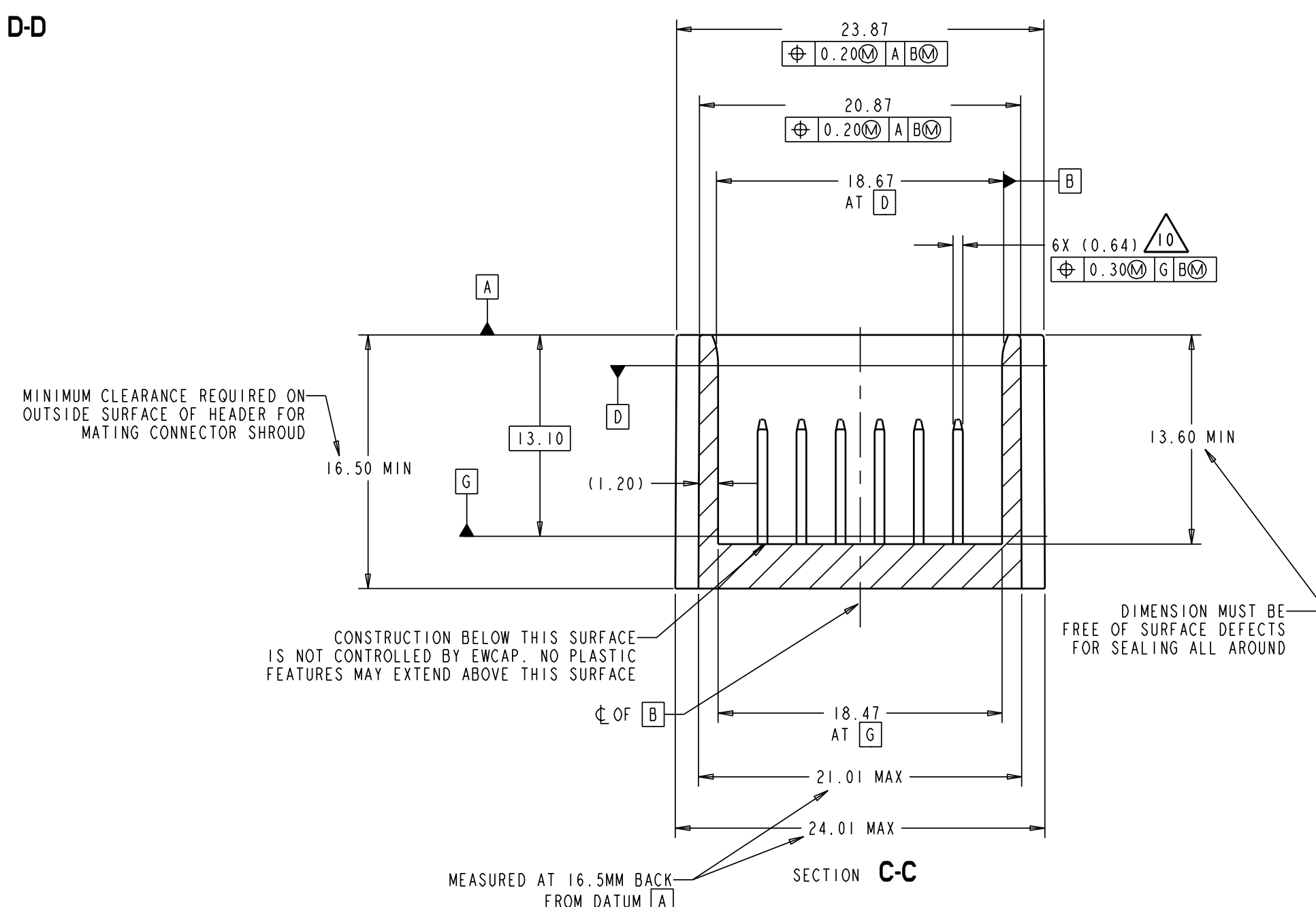
DETAIL **A**
SCALE 8:1



064-S-006-1-D02	D	GREEN
064-S-006-1-C02	C	BROWN
064-S-006-1-B02	B	GRAY
064-S-006-1-A02	A	BLACK
EWCAP P/N	OPTION	MATING CONNECTOR COLOR

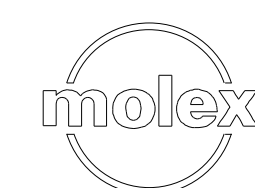


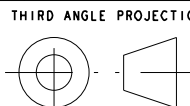
SECTION B-B

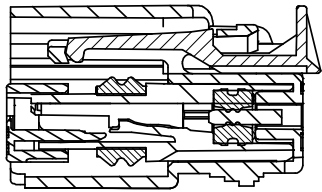


NOTES: UNLESS OTHERWISE SPECIFIED

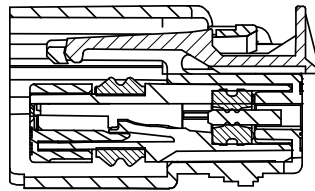
1. ALL DIMENSIONS SHOWN IN MILLIMETERS.
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
3. RADI1 ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADI1 0.25 EXCEPT AS NOTED.
4. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDELINES FOR ADDITIONAL INFORMATION.
5. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THROUGH D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS ACCESS TO THE HEADER PINS. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDELINES" FOR ADDITIONAL INFORMATION.
6. RECOMMENDED COLORS FOR POLARIZATION - DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
7. 0.25 DEGREE DRAFT ON INSIDE WALLS STARTING AT DATUM G.
8. SECTION LINES ARE COMMON TO ALL OPTIONS.
9. DIMENSIONS IN () ARE FOR REFERENCE.
10. FOR PIN GEOMETRIC AND PLATING REQUIREMENTS, REFER TO ECWAC DWG. NO. ECWAC-001, DETAIL 064-T001.



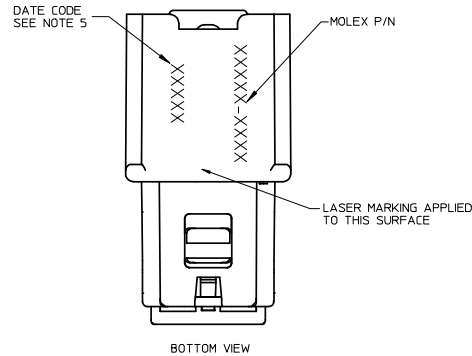
69	B	ADDED 23.87 IN SECTION C-C		03-22-03	TS	SV
		ADDED 24.01 IN SECTION C-C				
	A	INITIAL RELEASE		09-26-03	DG	RC
CHANGE NUMBER	LET	REVISION RECORD		DATE	DWN	CHK
	TOLERANCES (UNLESS OTHERWISE SPECIFIED)				THIRD ANGLE PROJECTION 	
	DIMENSIONS ARE IN MILLIMETERS					
	ANGLES $\pm 3^\circ$					
. X ± 0.2 . XX ± 0.10						
SCALE 8 - 1 DRAWN BY A. BUTCHER CHECKED BY D. GRIFFITHS DATE 09-26-03 TITLE DIRECT CONNECT INTERFACE 6 WAY (1 X 6) 0.64 mm SEALED MALE						
SHEET	DRAWING NUMBER			SIZE	REVISION	
1 of 1	064-S-006-1-702			F	DO NOT SCALE DRAWING COMPUTER AIDED DRAWING B	



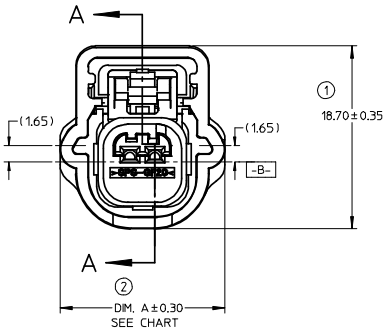
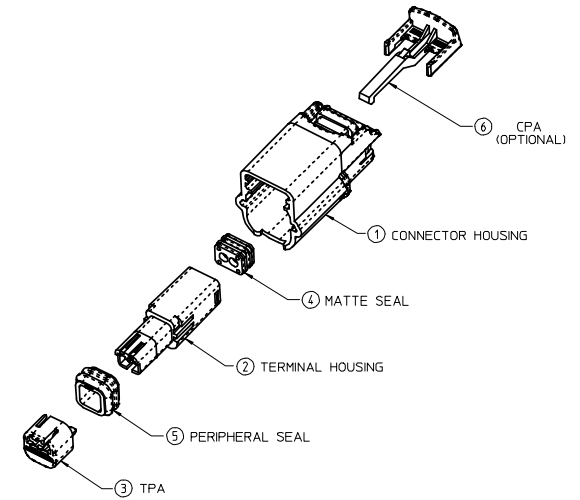
SECTION A-A
TPA SHOWN IN AS-SHIPPED
PRE-LOCKED POSITION
SEE NOTE 3



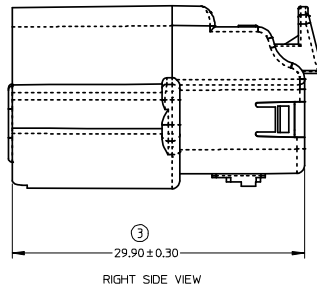
SECTION A-A
TPA SHOWN IN FINAL
LOCKED POSITION



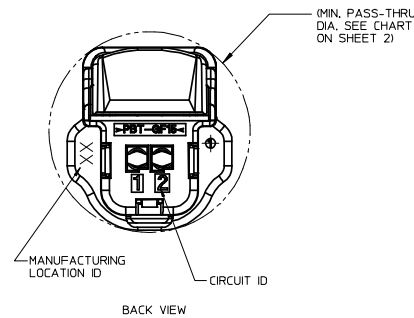
BOTTOM VIEW



FRONT VIEW
POLARIZATION A



RIGHT SIDE VIEW

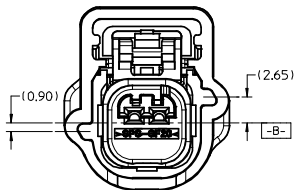


BACK VIEW

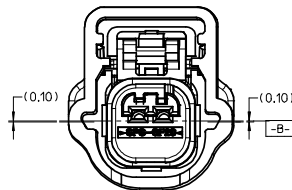
ITEM	DESCRIPTION	COLOR
1	CONNECTOR HOUSING	SEE CHART
2	TERMINAL HOUSING	BLACK
3	TPA	NATURAL
4	MATTE SEAL	SEE CHART
5	PERIPHERAL SEAL	SEE CHART
6	CPA - OPTIONAL	RED

NOTES:

- DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN USCAR INTERFACE DRAWINGS FOR SINGLE ROW SEALED 0.64 SYSTEMS. SEE WWW.USCARTEAMS.ORG.
- ASSEMBLY SHIPPED WITH TPA IN PRE-LOCKED POSITION (SEE SECTION A-A). UPON FULL TERMINAL ASSEMBLY, TPA MUST BE SEATED TO THE FINAL LOCKED POSITION.
- TPA'S MAY BECOME SEATED DURING TRANSIT. IF THIS OCCURS, TPA'S SHOULD BE MOVED TO THE PRE-LOCKED POSITION PRIOR TO FEMALE TERMINAL INSTALLATION. REFERENCE PRODUCT SPECIFICATION: PS-34646-001
- SYSTEM TO BE USED WITH WIRE WITHIN RANGE OF 22 AWG TO 18 AWG. WITH OUTSIDE WIRE DIAMETERS RANGING FROM 1.50MM TO 2.06MM.
- POLARIZATION FEATURE EFFECTIVENESS PER USCAR-2 PARAGRAPH 5.4.4 IS REDUCED WHEN TESTING ALL POLARIZATION OPTIONS: 100N MIN.



POLARIZATION B



POLARIZATION D

EC NO: UAU2009-0167 DRAWN BY: RFF/THS CHECKED BY: CHYKOSYERZYL APPROVED BY: VIKOSHY REV: H1	DESCRIPTION REV: 1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE 0.64 USCAR CONNECTOR SEALED SINGLE ROW ASSEMBLY MOLEX INCORPORATED			
							DRAWN BY R CARLSON		DATE 2003/09/25		MOLEX		
							CHECKED BY R CARLSON		DATE 2004/09/28				
							APPROVED BY PBERG		DATE 2004/09/28				
							MATERIAL NO. SEE CHART		DOCUMENT NO. SD-31402-211			SHEET NO. 1 OF 3	
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						

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

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
M	<table><tr><th>PART NUMBER WITHOUT CPA</th><th>PART NUMBER WITH CPA</th><th>ROW/ CIRCUITS</th><th>KEY*</th><th>SEAL COLOR</th><th>CONNECTOR COLOR</th><th>WIDTH DIM (A)</th><th>MIN. PASS THRU DIA.</th><th>FEMALE TERMINAL SUPPLIER</th><th>USCAR FOOTPRINT DRAWING NO.</th></tr><tr><td>31402-2100</td><td>31402-2110</td><td rowspan="14">1 X 2</td><td>A</td><td rowspan="14">BLUE</td><td>BLACK</td><td rowspan="14">16.88</td><td rowspan="14">(20.80)</td><td rowspan="7">TYCO OR MOLEX GET 0.64</td><td rowspan="14">064-S-002-1-Z02</td></tr><tr><td>31402-2200</td><td>31402-2210</td><td>B</td><td>GRAY</td></tr><tr><td>31402-2300</td><td>31402-2310</td><td>C</td><td>BROWN</td></tr><tr><td>31402-2400</td><td>31402-2410</td><td>D</td><td>GREEN</td></tr><tr><td>31402-2500</td><td>31402-2510</td><td>B</td><td>BLACK</td></tr><tr><td>31402-2600</td><td>31402-2610</td><td>C</td><td>BLACK</td></tr><tr><td>31402-2700</td><td>31402-2710</td><td>D</td><td>BLACK</td></tr><tr><td>31403-2100</td><td>31403-2110</td><td>A</td><td>BLACK</td><td colspan="2" rowspan="6">MOLEX 0.64</td></tr><tr><td>31403-2200</td><td>31403-2210</td><td>B</td><td>GRAY</td></tr><tr><td>31403-2300</td><td>31403-2310</td><td>C</td><td>BROWN</td></tr><tr><td>31403-2400</td><td>31403-2410</td><td>D</td><td>GREEN</td></tr><tr><td>31403-2500</td><td>31403-2510</td><td>B</td><td>BLACK</td></tr><tr><td>31403-2600</td><td>31403-2610</td><td>C</td><td>BLACK</td></tr><tr><td>31403-2700</td><td>31403-2710</td><td>D</td><td>BLACK</td><td colspan="2">YAZAKI KAIZEN 0.64</td></tr><tr><td>31404-2100</td><td>31404-2110</td><td rowspan="21">1 X 3</td><td>A</td><td rowspan="21">RUST RED</td><td>BLACK</td><td rowspan="21">18.70</td><td rowspan="21">(22.00)</td><td rowspan="14">MOLEX 0.64</td><td rowspan="21">064-S-003-1-Z01</td></tr><tr><td>31404-2200</td><td>31404-2210</td><td>B</td><td>GRAY</td></tr><tr><td>31404-2300</td><td>31404-2310</td><td>C</td><td>BROWN</td></tr><tr><td>31404-2400</td><td>31404-2410</td><td>D</td><td>GREEN</td></tr><tr><td>31404-2500</td><td>31404-2510</td><td>B</td><td>BLACK</td></tr><tr><td>31404-2600</td><td>31404-2610</td><td>C</td><td>BLACK</td></tr><tr><td>31404-2700</td><td>31404-2710</td><td>D</td><td>BLACK</td></tr><tr><td>31402-3100</td><td>31402-3110</td><td>A</td><td>BLACK</td><td colspan="2" rowspan="4">TYCO OR MOLEX GET 0.64</td></tr><tr><td>31402-3200</td><td>31402-3210</td><td>B</td><td>GRAY</td></tr><tr><td>31402-3300</td><td>31402-3310</td><td>C</td><td>BROWN</td></tr><tr><td>31402-3400</td><td>31402-3410</td><td>D</td><td>GREEN</td></tr><tr><td>31402-3500</td><td>31402-3510</td><td>B</td><td>BLACK</td><td colspan="2" rowspan="7">MOLEX 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rowspan="21">064-S-004-1-Z02</td></tr><tr><td>31404-3200</td><td>31404-3210</td><td>B</td><td>GRAY</td></tr><tr><td>31404-3300</td><td>31404-3310</td><td>C</td><td>BROWN</td></tr><tr><td>31404-3400</td><td>31404-3410</td><td>D</td><td>GREEN</td></tr><tr><td>31404-3500</td><td>31404-3510</td><td>B</td><td>BLACK</td><td colspan="2" rowspan="3">TYCO OR MOLEX GET 0.64</td></tr><tr><td>31404-3600</td><td>31404-3610</td><td>C</td><td>BLACK</td></tr><tr><td>31404-3700</td><td>31404-3710</td><td>D</td><td>BLACK</td></tr><tr><td>31402-4100</td><td>31402-4110</td><td>A</td><td>BLACK</td><td colspan="2" rowspan="6">MOLEX 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0.64</td></tr><tr><td>31403-4100</td><td>31403-4110</td><td>A</td><td>BLACK</td></tr><tr><td>31403-4200</td><td>31403-4210</td><td>B</td><td>GRAY</td></tr><tr><td>31403-4300</td><td>31403-4310</td><td>C</td><td>BROWN</td></tr><tr><td>31403-4400</td><td>31403-4410</td><td>D</td><td>GREEN</td></tr><tr><td>31403-4500</td><td>31403-4510</td><td>B</td><td>BLACK</td></tr><tr><td>31403-4600</td><td>31403-4610</td><td>C</td><td>BLACK</td></tr><tr><td>31403-4700</td><td>31403-4710</td><td>D</td><td>BLACK</td></tr><tr><td>31404-4100</td><td>31404-4110</td><td rowspan="14">1 X 5</td><td>A</td><td rowspan="14">RUST RED</td><td>BLACK</td><td rowspan="14">23.80</td><td rowspan="14">(24.28)</td><td rowspan="4">TYCO OR MOLEX GET 0.64</td><td rowspan="14">064-S-005-1-Z02</td></tr><tr><td>31404-4200</td><td>31404-4210</td><td>B</td><td>GRAY</td></tr><tr><td>31404-4300</td><td>31404-4310</td><td>C</td><td>BROWN</td></tr><tr><td>31404-4400</td><td>31404-4410</td><td>D</td><td>GREEN</td></tr><tr><td>31404-4500</td><td>31404-4510</td><td>B</td><td>BLACK</td><td colspan="2" rowspan="3">MOLEX 0.64</td></tr><tr><td>31404-4600</td><td>31404-4610</td><td>C</td><td>BLACK</td></tr><tr><td>31404-4700</td><td>31404-4710</td><td>D</td><td>BLACK</td></tr><tr><td>31402-5100</td><td>31402-5110</td><td rowspan="14">1 X 5</td><td>A</td><td rowspan="14">RUST RED</td><td>BLACK</td><td rowspan="14">23.80</td><td rowspan="14">(24.28)</td><td rowspan="4">TYCO OR MOLEX GET 0.64</td><td 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rowspan="14">064-S-005-1-Z02</td></tr><tr><td>31403-5200</td><td>31403-5210</td><td>B</td><td>GRAY</td></tr><tr><td>31403-5300</td><td>31403-5310</td><td>C</td><td>BROWN</td></tr><tr><td>31403-5400</td><td>31403-5410</td><td>D</td><td>GREEN</td></tr><tr><td>31403-5500</td><td>31403-5510</td><td>B</td><td>BLACK</td><td colspan="2" rowspan="3">MOLEX 0.64</td></tr><tr><td>31403-5600</td><td>31403-5610</td><td>C</td><td>BLACK</td></tr><tr><td>31403-5700</td><td>31403-5710</td><td>D</td><td>BLACK</td></tr><tr><td>31404-5100</td><td>31404-5110</td><td rowspan="14">1 X 5</td><td>A</td><td rowspan="14">RUST RED</td><td>BLACK</td><td rowspan="14">23.80</td><td rowspan="14">(24.28)</td><td rowspan="4">YAZAKI KAIZEN 0.64</td><td 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rowspan="14">064-S-006-1-Z02</td></tr><tr><td>31402-6200</td><td>31402-6210</td><td>B</td><td>GRAY</td></tr><tr><td>31402-6300</td><td>31402-6310</td><td>C</td><td>BROWN</td></tr><tr><td>31402-6400</td><td>31402-6410</td><td>D</td><td>GREEN</td></tr><tr><td>31402-6500</td><td>31402-6510</td><td>B</td><td>BLACK</td><td colspan="2" rowspan="3">MOLEX 0.64</td></tr><tr><td>31402-6600</td><td>31402-6610</td><td>C</td><td>BLACK</td></tr><tr><td>31402-6700</td><td>31402-6710</td><td>D</td><td>BLACK</td></tr><tr><td>31403-6100</td><td>31403-6110</td><td rowspan="14">1 X 6</td><td>A</td><td rowspan="14">BLUE</td><td>BLACK</td><td rowspan="14">26.33</td><td rowspan="14">(26.82)</td><td rowspan="4">YAZAKI KAIZEN 0.64</td><td rowspan="14">064-S-006-1-Z02</td></tr><tr><td>31403-6200</td><td>31403-6210</td><td>B</td><td>GRAY</td></tr><tr><td>31403-6300</td><td>31403-6310</td><td>C</td><td>BROWN</td></tr><tr><td>31403-6400</td><td>31403-6410</td><td>D</td><td>GREEN</td></tr><tr><td>31403-6500</td><td>31403-6510</td><td>B</td><td>BLACK</td><td colspan="2" rowspan="3">MOLEX 0.64</td></tr><tr><td>31403-6600</td><td>31403-6610</td><td>C</td><td>BLACK</td></tr><tr><td>31403-6700</td><td>31403-6710</td><td>D</td><td>BLACK</td></tr><tr><td>31404-6100</td><td>31404-6110</td><td rowspan="14">1 X 6</td><td>A</td><td rowspan="14">BLUE</td><td>BLACK</td><td rowspan="14">26.33</td><td rowspan="14">(26.82)</td><td rowspan="4">YAZAKI KAIZEN 0.64</td><td 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PASS THRU DIA.	FEMALE TERMINAL SUPPLIER	USCAR FOOTPRINT DRAWING NO.	31402-2100	31402-2110	1 X 2	A	BLUE	BLACK	16.88	(20.80)	TYCO OR MOLEX GET 0.64	064-S-002-1-Z02	31402-2200	31402-2210	B	GRAY	31402-2300	31402-2310	C	BROWN	31402-2400	31402-2410	D	GREEN	31402-2500	31402-2510	B	BLACK	31402-2600	31402-2610	C	BLACK	31402-2700	31402-2710	D	BLACK	31403-2100	31403-2110	A	BLACK	MOLEX 0.64		31403-2200	31403-2210	B	GRAY	31403-2300	31403-2310	C	BROWN	31403-2400	31403-2410	D	GREEN	31403-2500	31403-2510	B	BLACK	31403-2600	31403-2610	C	BLACK	31403-2700	31403-2710	D	BLACK	YAZAKI KAIZEN 0.64		31404-2100	31404-2110	1 X 3	A	RUST RED	BLACK	18.70	(22.00)	MOLEX 0.64	064-S-003-1-Z01	31404-2200	31404-2210	B	GRAY	31404-2300	31404-2310	C	BROWN	31404-2400	31404-2410	D	GREEN	31404-2500	31404-2510	B	BLACK	31404-2600	31404-2610	C	BLACK	31404-2700	31404-2710	D	BLACK	31402-3100	31402-3110	A	BLACK	TYCO OR MOLEX GET 0.64		31402-3200	31402-3210	B	GRAY	31402-3300	31402-3310	C	BROWN	31402-3400	31402-3410	D	GREEN	31402-3500	31402-3510	B	BLACK	MOLEX 0.64		31402-3600	31402-3610	C	BLACK	31402-3700	31402-3710	D	BLACK	31403-3100	31403-3110	A	BLACK	31403-3200	31403-3210	B	GRAY	31403-3300	31403-3310	C	BROWN	31403-3400	31403-3410	D	GREEN	31403-3500	31403-3510	B	BLACK	YAZAKI KAIZEN 0.64		31403-3600	31403-3610	C	BLACK	31403-3700	31403-3710	D	BLACK	31404-3100	31404-3110	1 X 4	A	BLUE	BLACK	21.25	(22.34)	MOLEX 0.64	064-S-004-1-Z02	31404-3200	31404-3210	B	GRAY	31404-3300	31404-3310	C	BROWN	31404-3400	31404-3410	D	GREEN	31404-3500	31404-3510	B	BLACK	TYCO OR MOLEX GET 0.64		31404-3600	31404-3610	C	BLACK	31404-3700	31404-3710	D	BLACK	31402-4100	31402-4110	A	BLACK	MOLEX 0.64		31402-4200	31402-4210	B	GRAY	31402-4300	31402-4310	C	BROWN	31402-4400	31402-4410	D	GREEN	31402-4500	31402-4510	B	BLACK	31402-4600	31402-4610	C	BLACK	31402-4700	31402-4710	D	BLACK	YAZAKI KAIZEN 0.64		31403-4100	31403-4110	A	BLACK	31403-4200	31403-4210	B	GRAY	31403-4300	31403-4310	C	BROWN	31403-4400	31403-4410	D	GREEN	31403-4500	31403-4510	B	BLACK	31403-4600	31403-4610	C	BLACK	31403-4700	31403-4710	D	BLACK	31404-4100	31404-4110	1 X 5	A	RUST RED	BLACK	23.80	(24.28)	TYCO OR MOLEX GET 0.64	064-S-005-1-Z02	31404-4200	31404-4210	B	GRAY	31404-4300	31404-4310	C	BROWN	31404-4400	31404-4410	D	GREEN	31404-4500	31404-4510	B	BLACK	MOLEX 0.64		31404-4600	31404-4610	C	BLACK	31404-4700	31404-4710	D	BLACK	31402-5100	31402-5110	1 X 5	A	RUST RED	BLACK	23.80	(24.28)	TYCO OR MOLEX GET 0.64	064-S-005-1-Z02	31402-5200	31402-5210	B	GRAY	31402-5300	31402-5310	C	BROWN	31402-5400	31402-5410	D	GREEN	31402-5500	31402-5510	B	BLACK	MOLEX 0.64		31402-5600	31402-5610	C	BLACK	31402-5700	31402-5710	D	BLACK	31403-5100	31403-5110	1 X 5	A	RUST RED	BLACK	23.80	(24.28)	YAZAKI KAIZEN 0.64	064-S-005-1-Z02	31403-5200	31403-5210	B	GRAY	31403-5300	31403-5310	C	BROWN	31403-5400	31403-5410	D	GREEN	31403-5500	31403-5510	B	BLACK	MOLEX 0.64		31403-5600	31403-5610	C	BLACK	31403-5700	31403-5710	D	BLACK	31404-5100	31404-5110	1 X 5	A	RUST RED	BLACK	23.80	(24.28)	YAZAKI KAIZEN 0.64	064-S-005-1-Z02	31404-5200	31404-5210	B	GRAY	31404-5300	31404-5310	C	BROWN	31404-5400	31404-5410	D	GREEN	31404-5500	31404-5510	B	BLACK	MOLEX 0.64		31404-5600	31404-5610	C	BLACK	31404-5700	31404-5710	D	BLACK	31402-6100	31402-6110	1 X 6	A	BLUE	BLACK	26.33	(26.82)	TYCO OR MOLEX GET 0.64	064-S-006-1-Z02	31402-6200	31402-6210	B	GRAY	31402-6300	31402-6310	C	BROWN	31402-6400	31402-6410	D	GREEN	31402-6500	31402-6510	B	BLACK	MOLEX 0.64		31402-6600	31402-6610	C	BLACK	31402-6700	31402-6710	D	BLACK	31403-6100	31403-6110	1 X 6	A	BLUE	BLACK	26.33	(26.82)	YAZAKI KAIZEN 0.64	064-S-006-1-Z02	31403-6200	31403-6210	B	GRAY	31403-6300	31403-6310	C	BROWN	31403-6400	31403-6410	D	GREEN	31403-6500	31403-6510	B	BLACK	MOLEX 0.64		31403-6600	31403-6610	C	BLACK	31403-6700	31403-6710	D	BLACK	31404-6100	31404-6110	1 X 6	A	BLUE	BLACK	26.33	(26.82)	YAZAKI KAIZEN 0.64	064-S-006-1-Z02	31404-6200	31404-6210	B	GRAY	31404-6300	31404-6310	C	BROWN	31404-6400	31404-6410	D	GREEN	31404-6500	31404-6510	B	BLACK	MOLEX 0.64		31404-6600	31404-6610	C	BLACK	31404-6700	31404-6710	D	BLACK	M
PART NUMBER WITHOUT CPA	PART NUMBER WITH CPA	ROW/ CIRCUITS	KEY*	SEAL COLOR	CONNECTOR COLOR	WIDTH DIM (A)	MIN. PASS THRU DIA.	FEMALE TERMINAL SUPPLIER	USCAR FOOTPRINT DRAWING NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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EC NO: UAU2009-0167
DRAWN: DGR1FF THIS 2000.08.26
CHKD: SYERYZL 2000.08.26
APPR: WOSHY 2000.08.26

DESCRIPTION

REV

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.13 ± ---
1 PLACE ± 0.3 ± ---
ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY DATE
RCARLSON 2003/09/25

CHECKED BY DATE
RCARLSON 2004/09/28

APPROVED BY DATE
PBERG 2004/09/28

MATERIAL NO.

DOCUMENT NO.

SIZE

SCALE
4:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

0.64 USCAR CONNECTOR
SEALED SINGLE ROW
ASSEMBLY

MOLEX MOLEX INCORPORATED

SEE CHART SD-31402-211

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

SHEET NO.
2 OF 3

th, frame, D, P, AN, T	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Rev. D 2004/06/28																			

PART NUMBER WITHOUT CPA	PART NUMBER WITH CPA	ROW/ CIRCUITS	KEY*	SEAL COLOR	CONNECTOR COLOR	WIDTH DIM (A)	MIN. PASS THRU DIA.	FEMALE TERMINAL SUPPLIER	USCAR FOOTPRINT DRAWING NO.
31402-8100	31402-8110	1 X 8	A	BLUE	BLACK	3125	(31.90)	TYCO OR MOLEX GET 0.64	064-S-008-1-Z02
31402-8200	31402-8210		B		GRAY				
31402-8300	31402-8310		C		BROWN				
31402-8400	31402-8410		D		GREEN				
31402-8500	31402-8510		B		BLACK				
31402-8600	31402-8610		C		BLACK				
31402-8700	31402-8710		D		BLACK				
31403-8100	31403-8110		A		BLACK				
31403-8200	31403-8210		B		GRAY				
31403-8300	31403-8310		C		BROWN				
31403-8400	31403-8410		D		GREEN				
31403-8500	31403-8510		B		BLACK				
31403-8600	31403-8610		C		BLACK				
31403-8700	31403-8710		D		BLACK				
31404-8100	31404-8110		A		BLACK				
31404-8200	31404-8210		B		GRAY				
31404-8300	31404-8310		C		BROWN				
31404-8400	31404-8410		D		GREEN				
31404-8500	31404-8510		B		BLACK				
31404-8600	31404-8610		C		BLACK				
31404-8700	31404-8710		D		BLACK				
YAZAKI KAIZEN 0.64									

PART NUMBER LEGEND
CONNECTOR ASSEMBLY

3140X-XXXX

SEAL PLUG CONFIGURATION (AS MOLDED)
0 - ALL CIRCUITS OPEN
1 - ALL CIRCUITS CLOSED
2 - 9 SEE SEAL PLUG CONFIGURATION CHART

CPA OPTION
0 OR 2 - WITHOUT CPA
1 OR 3 - WITH CPA

USCAR POLARIZATION OPTION
1 - POLARIZATION OPTION A, COLOR: BLACK
2 - POLARIZATION OPTION B, COLOR: GREY
3 - POLARIZATION OPTION C, COLOR: BROWN
4 - POLARIZATION OPTION D, COLOR: GREEN
5 - POLARIZATION OPTION B, COLOR: BLACK
6 - POLARIZATION OPTION C, COLOR: BLACK
7 - POLARIZATION OPTION D, COLOR: BLACK

CIRCUIT SIZE: 2, 3, 4, 5, 6 & 8

TERMINAL OPTION
2 - TYCO/MOLEX GET 0.64
3 - MOLEX 0.64
4 - YAZAKI KAIZEN 0.64

ADDITIONAL CAVITY PLUG CONFIGURATIONS:

CIRCUIT SIZE	FEMALE TERMINAL	MOLEX P/N WITH CPA	MOLEX P/N WITHOUT CPA	COLOR	CIRCUIT NUMBER: "0" INDICATED PLUG LOCATION						TOTAL CIRCUITS PLUGGED
					1	2	3	4	5	6	
6	TYCO/MOLEX GET	31402-6110	31402-6100	BLACK							0
		31402-6111	31402-6101	BLACK	0	0	0	0	0	0	6
		31402-6112	31402-6102	BLACK	0	0					2
		31402-6113	31402-6103	BLACK	0	0					1
		31402-6114	31402-6104	BLACK	0	0	0	0			4
		31402-6115	31402-6105	BLACK			0		0	0	3
		31403-6110	31403-6100	BLACK							0
		31403-6111	31403-6101	BLACK	0	0	0	0	0	0	6
	MOLEX 0.64	31403-6112	31403-6102	BLACK			0				1
	YAZAKI KAIZEN	31404-6110	31404-6100	BLACK							0
		31404-6111	31404-6101	BLACK	0	0	0	0	0	0	6
		31404-6112	31404-6102	BLACK	0		0				2
		31404-6113	31404-6103	BLACK	0					0	2
		31404-6116	31404-6106	BLACK						0	1
		31404-6117	31404-6107	BLACK	0		0			0	3
		31404-6118	31404-6108	BLACK	0						1
		31404-6119	31404-6109	BLACK			0		0	0	3
		31404-6132	31404-6122	BROWN			0				1

EC NO: UAU2009-0167
DRAWN BY: THS
CHKD BY: VERZYL
APPR: VKOSHY
2008/08/26
2008/08/26
2008/08/26

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.13 ± ---
1 PLACE ± 0.3 ± ---
ANGULAR ± 3 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY: R CARLSON
CHECKED BY: R CARLSON
APPROVED BY: P BERG
DATE: 2003/09/25
DATE: 2004/09/28
DATE: 2004/09/28

SCALE
4:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

TITLE
0.64 USCAR CONNECTOR
SEALED SINGLE ROW
ASSEMBLY
MOLEX INCORPORATED

MATERIAL NO.
SEE CHART
DOCUMENT NO.
SD-31402-211
SHEET NO.
3 OF 3