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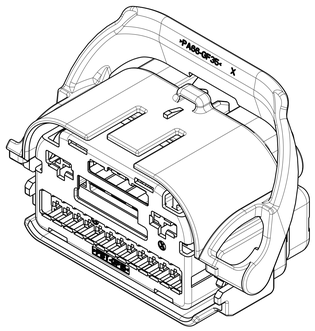
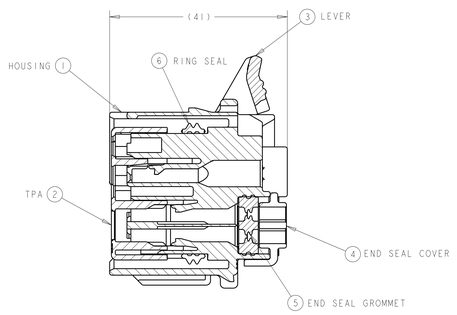
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B25	REVISED PER ECO-18-004231	20MAR2018	JMS	GK
	B26	REVISED PER ECO-18-006343	23APR2018	JMS	HC
	B27	REVISED PER ECO-18-009916	26JUN2018	JMS	HC
	B28	REV PER ECO-18-010529	10JUL2018	JMS	HC

LIST OF PARTS								
QTY REQUIRED			ITEM	DESCRIPTION	COLOR	MATERIAL SPECIFICATION	RECYCLING CODE	WEIGHT (GRAM)
INDEX C	INDEX B	INDEX A						
-	-	1	1	HOUSING, KEYING OPTION "A"	BLACK	30% GF PBT	>PBT-GF30<	TBD
-	1	-		HOUSING, KEYING OPTION "B"	GRAY	30% GF PBT	>PBT-GF30<	TBD
1	-	-		HOUSING, KEYING OPTION "C"	NATURAL	30% GF PBT	>PBT-GF30<	TBD
1	1	1	2	TPA	RED	15% GF PBT	>PBT-GF15<	TBD
1	1	1	3	LEVER	GRAY	33% GF NYLON	>PA66-GF33<	TBD
1	1	1	4	END SEAL COVER	BLACK	15% GF PBT	>PBT-GF15<	TBD
1	1	1	5	END SEAL GROMMET	LT BLUE	SILICON	>VMQ<	TBD
1	1	1	6	RING SEAL	BLUE	SILICON	>VMQ<	TBD

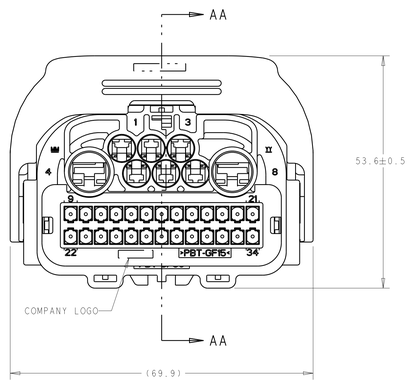


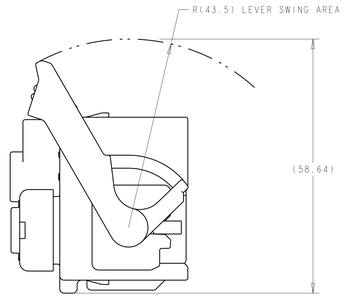
1. PART MUST CONFORM TO THE USCAR-2 SPECIFICATION, DATED 07/DEC/00 (REVISION 3).
2. 0.2mm MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS.
3. PRODUCTION DATE CODE AND PINOUT ID CODE MUST BE LEGIBLE AND PERMANENTLY APPLIED WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE.
4. MATES WITH ASSEMBLY SHOWN ON DRAWING 1438842.
5. SEE TE INSTRUCTION SHEET 408-8911 FOR PROPER POSITIONING OF TPA AND TE INSTRUCTION SHEET 408-8832 FOR APPLICATION USE OF CONNECTOR SYSTEM.
6. TERMINAL CAVITIES 9-34 ARE RESTRICTED TO WIRE OD RANGE OF 1.20 - 2.34mm.



SECTION AA-AA

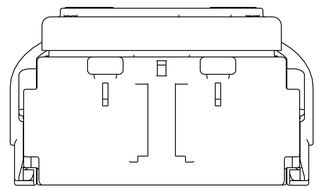
TPA AND LEVER SHOWN IN PRE-SEATED POSITION 5

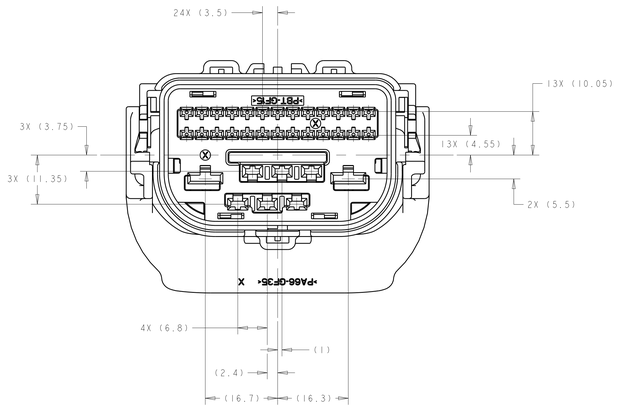




APPLICABLE COMPONENTS (FOR REFERENCE ONLY)				APPLICABLE WIRE SIZES (FOR REFERENCE ONLY)1	COMPONENT MATING PART NUMBER
	DESCRIPTION	COLOR/ PLATING	SUPPLIER	SUPPLIER PART NUMBER	
6	TERMINAL - FEMALE 1.5mm	TIN	MOLEX	33012-2001	16 AWG OR METRIC EQUIVALENT	33000-0002
6	TERMINAL - FEMALE 1.5mm	TIN	MOLEX	33012-2002	18-20 AWG OR METRIC EQUIVALENT	33000-0002
6	TERMINAL - FEMALE 1.5mm	TIN	MOLEX	33012-2003	22 AWG OR METRIC EQUIVALENT	33000-0003
	TERMINAL - FEMALE 2.8mm	TIN	TE	1326032-2	20 AWG OR METRIC EQUIVALENT	1326031-2
	TERMINAL - FEMALE 2.8mm	TIN	TE	1326032-3	18 AWG OR METRIC EQUIVALENT	1326031-3
	TERMINAL - FEMALE 2.8mm	TIN	TE	1326032-4	16 AWG OR METRIC EQUIVALENT	1326031-4
	TERMINAL - FEMALE 2.8mm	TIN	TE	1326032-5	14 AWG OR METRIC EQUIVALENT	1326031-5
	TERMINAL - FEMALE 2.8mm	TIN	TE	1326032-6	12 AWG OR METRIC EQUIVALENT	1-1326031-1
	CABLE SEAL - 2.8mm	GREEN	YAZAKI	7158-3111-60	1.2-1.9mm WIRE O.D.	N/A
	CABLE SEAL - 2.8mm	YELLOW	YAZAKI	7158-3112-70	1.8-2.3mm WIRE O.D.	N/A
	CABLE SEAL - 2.8mm	WHITE	YAZAKI	7158-3113-40	2.1-3.0mm WIRE O.D.	N/A
	CABLE SEAL - 2.8mm	LT GRAY	YAZAKI	7158-3110-40	3.1-3.3mm WIRE O.D.	N/A
	TERMINAL - FEMALE 6.3mm	TIN	YAZAKI	7116-4140-02	20-16 AWG OR METRIC EQUIVALENT	7114-4140-02
	TERMINAL - FEMALE 6.3mm	TIN	YAZAKI	7116-4141-02	14 AWG OR METRIC EQUIVALENT	7114-4141-02
	TERMINAL - FEMALE 6.3mm	TIN	YAZAKI	7116-4142-02	12 AWG OR METRIC EQUIVALENT	7114-4142-02
	TERMINAL - FEMALE 6.3mm	TIN	YAZAKI	7116-4143-02	10 AWG OR METRIC EQUIVALENT	7114-4143-02
	CABLE SEAL - 6.3mm	RED	YAZAKI	7158-3081-50	1.4-2.3mm WIRE O.D.	N/A
	CABLE SEAL - 6.3mm	BLUE	YAZAKI	7158-3082-90	2.1-3.0mm WIRE O.D.	N/A
	CABLE SEAL - 6.3mm	BLACK	YAZAKI	7158-3083	3.0-3.8mm WIRE O.D.	N/A
	CABLE SEAL - 6.3mm	LT GRAY	YAZAKI	7158-3084-40	3.8-4.05mm WIRE O.D.	N/A
	ANTI-ROTATION CLIP	NATURAL	TRW	PC47597-1	N/A	N/A
	SINGLE TREE CLIP	NATURAL	TRW	PC47688-1	N/A	N/A
	CAVITY PLUG - 2.8mm	BLUE	YAZAKI	7158-3114-90	N/A	N/A
	CAVITY PLUG - 6.3mm	GREEN	YAZAKI	7158-3080-60	N/A	N/A

NOTE: SEE SUPPLIER DRAWINGS FOR LATEST INFORMATION AND CRIMP SPECIFICATIONS.





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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.3
1 PLC ±0.3
2 PLC ±0.1
3 PLC ±0.1
4 PLC ±0.1
ANGLES ±1°

MATERIAL - -
FINISH - -

DRN DL DRUMMOND 19OCT2004
CHK KL COBLE 19OCT2004
APVD KL COBLE 19OCT2004
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME PLUG ASSEMBLY, 34 WAY, SEALED, INLINE HYBRID, FEMALE

SIZE A0 | CAGE CODE 00779 | DRAWING NO C-1438841 | RESTRICTED TO -

SCALE 2:1 | SHEET 1 OF 4 | REV B28

4806-1(13)

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TE P/N	PINOUT ID CODE	INDEX (KEY)	COLOR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
7-1438841-7	ACW	A	BLACK												12							19	20	21	22				26	27					32		
7-1438841-6	ACV	A	BLACK											11											22	23				26	27	28	29		31	32	33	34
7-1438841-5	ACU	A	BLACK									9	10	11		13	14	15	16	17	18	19	20		22	23	24	25	26	27	28			31	32	33	34
7-1438841-4	ACT	A	BLACK										10		12	13	14	15	16	17	18	19	20	21			24	25	26	27	28		30	31	32	33	34
7-1438841-3	ACS	A	BLACK												12		14	15	16		18		20						26	27							
7-1438841-2	ACR	A	BLACK										10		12	13	14	15	16	17	18	19	20	21			24	25	26	27	28	29	30	31	32	33	34
7-1438841-1	ACQ	A	BLACK												12		14	15	16		18		20						26	27		29					
7-1438841-0	ACP	A	BLACK									9	10	11		13	14	15	16	17	18	19	20			23	24	25	26	27				31	32	33	34
6-1438841-9	ACO	A	BLACK											11												23			26	27		29		31	32	33	34
6-1438841-8	ACN	A	BLACK									9	10	11		13	14	15	16	17							24	25						31	32	33	34
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6-1438841-6	ACL	A	BLACK												12	13	14		16	17	18	19	20	21			24	25		27	28		30	31		33	
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4-1438841-3	ABO	A	BLACK																			19			22		24		26	27	28				32		
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3-1438841-9	ABK	A	BLACK											11								19					24	25							32		
3-1438841-8	ABJ	A	BLACK											11								19					24	25									
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2-1438841-7	AAY	A	BLACK									9	10	11	12	13	14						20	21		23			26	27				31	32		
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1438841-4	AAB	A	BLACK											11	12	13	14	15					20	21	22	23	24	25	26	27	28	29		31	32	33	34
1438841-3	CAA	C	NATURAL																																		
1438841-2	BAA	B	GRAY																																		
1438841-1	AAA	A	BLACK																																		

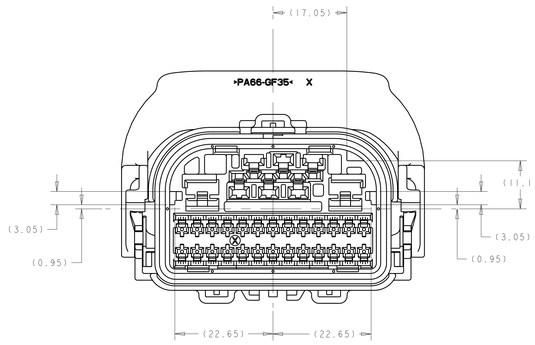
CIRCUITS 1 THRU 8 REMAIN OPEN

BLOCKED CAVITIES INDICATED BY A NUMERIC SYMBOL IN THAT CIRCUIT LOCATION

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

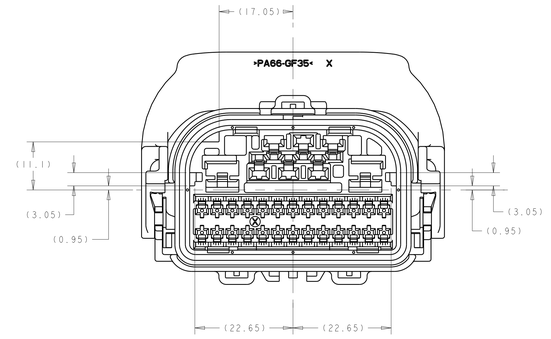
FEMALE HOUSING ASSEMBLY
SCALE 2:1

INDEX A



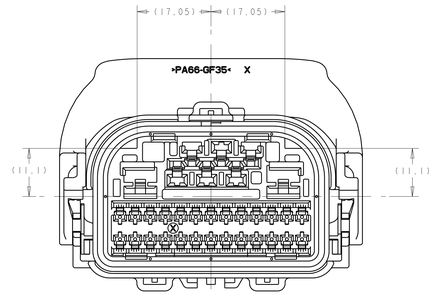
(TPA NOT SHOWN)

INDEX B



(TPA NOT SHOWN)

INDEX C



(TPA NOT SHOWN)

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DIMENSIONS: mm — TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.3, 1 PLC ±0.3, 2 PLC ±0.1, 3 PLC ±0.1, 4 PLC ±0.1, ANGLES ±1°

MATERIAL - - FINISH - -

ENG	D. DRUMMOND	19OCT2004
CHK	K. COBLE	19OCT2004
APVD	K. COBLE	19OCT2004
PRODUCT SPEC	-	
APPLICATION SPEC	-	
WEIGHT	-	
CUSTOMER DRAWING		

TE Connectivity

NAME: PLUG ASSEMBLY, 34 WAY, SEALED, INLINE HYBRID, FEMALE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A0	00779	C-1438841	

SCALE 2:1 SHEET 2 OF 4 REV B28

4806 13/131

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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

CIRCUITS 1 THRU 8 REMAIN OPEN

TE P/N	PINOUT ID CODE	INDEX (KEY)	COLOR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
5-2203654-5	AFV	B	GRAY									9		11		13	14							21	22	23	24	25	26	27	28	29	30	31	32	33	34
5-2203654-4	AFU	B	GRAY														14							21		23	24	25	26	27	28	29	30	31	32	33	34
5-2203654-3	AFT	A	BLACK												12	13	14							21			24	25	26	27	28	29		31			
5-2203654-2	AFS	B	GRAY									9	10	11			14		16	17			20	21			24	25					30	31		33	
5-2203654-1	AFR	B	GRAY									9	10	11									20				24						30	31		33	
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4-2203654-9	AFP	A	BLACK											11				15				19		21	22										32	33	
4-2203654-8	AFO	A	BLACK												12												24	25		27				31			
4-2203654-7	AFN	A	BLACK											11	12	13	14	15				19		21			24	25	26	27	28	29		31			
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4-2203654-4	AFK	A	BLACK												12						18	19			22				26							33	
4-2203654-3	AFJ	A	BLACK												12	13					18	19							26					31			
4-2203654-2	AFI	A	BLACK									9			12	13					18	19							26							33	
4-2203654-1	AFH	A	BLACK												12	13	14			17				21	22		24	25	26	27	28	29		31			
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3-2203654-9	AFF	A	BLACK												12	13		15			18	19	20						26						32	33	
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3-2203654-6	AFC	A	BLACK											11				15				19		21	22										32	33	34
3-2203654-5	AFB	A	BLACK																					21													
3-2203654-4	AFA	A	BLACK											11				15				19		21													
3-2203654-3	AEZ	A	BLACK												12					17							24	25		27				31			
3-2203654-2	AEY	A	BLACK												12	13	14							21		23			26	27	28	29					
3-2203654-1	AEX	A	BLACK												12	13	14							21	22	23			26	27	28	29					
3-2203654-0	AEW	A	BLACK												12	13	14			17				21			24	25	26	27	28	29		31			
2-2203654-9	AEV	A	BLACK											11	12	13	14	15				19		21		23			26	27	28	29					
2-2203654-8	AEU	B	GRAY									9	10	11			14		16	17	18			21			24	25	26	27	28	29	30	31		33	
2-2203654-7	AET	B	GRAY									9	10	11													24						30	31		33	
2-2203654-6	AES	B	GRAY									9		11		13	14				18				22		24	25	26	27	28	29	30	31	32	33	34
2-2203654-5	AER	B	GRAY									9		11		13	14				18				22				26	27	28	29	30	31	32	33	34
2-2203654-4	AEQ	A	BLACK									9			12	13		15		17	18	19	20	21	22		24	25	26		28			31	32	33	
2-2203654-3	AEP	A	BLACK									9			12	13		15		17	18	19	20	21	22			25	26		28			31	32	33	
2-2203654-2	AEO	A	BLACK												12			15			18	19			22				26							33	
2-2203654-1	AEN	A	BLACK												12	13		15			18	19							26					31			
2-2203654-0	AEM	A	BLACK												12	13		15			18	19			22				26							33	
1-2203654-9	AEL	A	BLACK									9			12			15			18	19			22				26							33	
1-2203654-8	AEK	A	BLACK									9			12	13		15			18	19							26							33	
1-2203654-7	AEJ	A	BLACK									9			12			15	16	17	18	19	20	21	22		24	25	26	27	28						
1-2203654-6	AEI	B	GRAY													13															28		30		32		34
1-2203654-5	AEH	A	BLACK									9		11	12	13	14	15		17		19		21			24	25	26	27	28	29		31			
1-2203654-4	AEG	A	BLACK									9			12										22				26							33	
1-2203654-3	AEF	B	GRAY													13																	30		32		34
1-2203654-2	AEE	B	GRAY													13									22						28	29	30		32	33	34
1-2203654-1	AED	B	GRAY													13									22								30		32	33	34
1-2203654-0	AEC	B	GRAY													13															28	29	30		32		34
2203654-9	AEB	A	BLACK											11	12	13	14	15		17		19		21			24	25	26	27	28	29		31			
2203654-8	AEA	A	BLACK										10	11	12																		30				
2203654-7	ADZ	A	BLACK										10	11	12			15				19											30				
2203654-6	ADY	A	BLACK										10	11	12			15				19			22								30		32	33	
2203654-5	ADX	A	BLACK											11	12					17							24	25		27				31			
2203654-4	ADW	A	BLACK										10	11	12	13	14							21		23			26	27	28	29	30				
2203654-3	ADV	A	BLACK										10	11	12	13	14	15				19		21		23			26	27	28	29	30				
2203654-2	ADU	A	BLACK											11	12	13	14			17				21			24	25	26	27	28	29		31			
2203654-1	ADT	A	BLACK											11	12	13	14	15		17		19		21	22		24	25	26	27	28	29		31	32	33	
9-1438841-9	ADS	A	BLACK									9			12			15							22				26							33	
9-1438841-8	ADR	A	BLACK									9			12	13		15		17			20	21	22		24	25	26							33	
9-1438841-7	ADQ	A	BLACK									9			12	13		15		17			20	21	22			25	26							33	
9-1438841-6	ADP	A	BLACK									9			12	13		15							22				26							33	
9-1438841-5	ADO	A	BLACK									9			12	13									22				26							33	
9-1438841-4	ADN	A	BLACK									9			12	13													26							33	
9-1438841-3	ADM	A	BLACK									9			12	13		15											26							33	
9-1438841-2	ADL	A	BLACK									9	10	11	12	13	14	15		17		19		21			24	25	26	27	28	29		31			
9-1438841-1	ADK	A	BLACK													13															28		30		32		34
9-1438841-0	ADJ	B	GRAY													13																29	30		32		34
8-1438841-9	ADI	B	GRAY													13									22							29	30		32	33	34
8-1438841-8	ADH	B	GRAY													13	14	15	16	17									26					31			
8-1438841-7	ADG	A	BLACK											11														25		27	28						34
8-1438841-6	ADF	A	BLACK													13	14	15	16	17									26					31			
8-1438841-5	ADE	C	NATURAL																							23							30				
8-1438841-4	ADD	C	NATURAL																				20			23				27			30				
8-1438841-3	ADC	A	BLACK									9		11																		29				33	
8-1438841-2	ADB	A	BLACK									9	10	11	12								20	21	22	23		25		27	28	29	30	31			
8-1438841-1	ADA	A	BLACK									9	10	11	12								20	21	22	23	24	25	26	27	28	29	30	31		33	34
8-1438841-0	ACZ	A	BLACK									9	10	11	12																						
7-1438841-9	ACY	A	BLACK									9	10	11	12									21	22	23		25			28	29	30	31			
7-1438841-8	ACX	A	BLACK																							23						29				33	34

BLOCKED CAVITIES INDICATED BY A NUMERIC SYMBOL IN THAT CIRCUIT LOCATION

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN DL DRUMMOND 19OCT2004	TE Connectivity	
DIMENSIONS: mm	CHK KL COBLE 19OCT2004		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.3, 1 PLC ±0.3, 2 PLC ±0.1, 3 PLC ±0.1, 4 PLC ±0.1, ANGLES ±1°	APVD KL COBLE 19OCT2004	NAME PLUG ASSEMBLY, 34 WAY, SEALED, INLINE HYBRID, FEMALE	
MATERIAL - -	PRODUCT SPEC -	SIZE A0	CAGE CODE 00779
FINISH - -	APPLICATION SPEC -	DRAWING NO C-1438841	RESTRICTED TO
	WEIGHT -	SCALE 2:1	SHEET 3 OF 4
	CUSTOMER DRAWING	REV B28	

4806 (3/13)

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

CIRCUITS 1 THRU 8
REMAIN OPEN

TE P/N	PINOUT ID CODE	INDEX (KEY)	COLOR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
7-2203654-8	AGS	B	GRAY									9					14	15	16	17	18	19															
7-2203654-7	AGR	A	BLACK									9							16	17									26	27	28	29	30	31	32	33	
7-2203654-6	AGQ	B	GRAY									9					14	15	16	17	18	19								27	28	29	30	31	32	33	34
7-2203654-5	AGP	B	GRAY																								24	25	26	27	28	29					
7-2203654-4	AGO	A	BLACK																		18									27				31			
7-2203654-3	AGN	A	BLACK																16	17														31			
7-2203654-2	AGM	B	GRAY														14	15	16		18													31			
7-2203654-1	AGL	A	BLACK											11	12	13	14										24	25	26								
7-2203654-0	AGK	B	GRAY									9					14													27	28	29	30	31	32	33	34
6-2203654-9	AGJ	B	GRAY									9					14																				
6-2203654-8	AGI	A	BLACK											11	12	13				17	18					23			26						33	34
6-2203654-7	AGH	A	BLACK												12											23										33	34
6-2203654-6	AGG	A	BLACK																16	17	18	19															
6-2203654-5	AGF	A	BLACK											11		13		15	16	17	18		20				24									33	
6-2203654-4	AGE	A	BLACK										10		12	13	14						20	21	22	23	24				28	29	30	31	32	33	
6-2203654-3	AGD	A	BLACK												12	13					18								26							33	34
6-2203654-2	AGC	A	BLACK												12	13		15		17	18		20	21	22			25	26		28			31	32	33	
6-2203654-1	AGB	A	BLACK												12	13					18	19			22				26							33	34
6-2203654-0	AGA	A	BLACK												12	13					18	19							26							33	34
5-2203654-9	AFZ	A	BLACK												12	13					18	19							26							33	
5-2203654-8	AFY	A	BLACK												12	13		15		17	18	19	20	21	22			25	26		28			31	32	33	
5-2203654-7	AFX	A	BLACK											11	12			15				19		21													
5-2203654-6	AFW	A	BLACK												12									21													

BLOCKED CAVITIES INDICATED BY A NUMERIC SYMBOL IN THAT CIRCUIT LOCATION

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.3
1 PLC ±0.3
2 PLC ±0.1
3 PLC ±0.1
4 PLC ±0.1
ANGLES ±1°

MATERIAL -
FINISH -

ENG	DL DRUMMOND	19OCT2004
CHK	KL COBLE	19OCT2004
APVD	KL COBLE	19OCT2004

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME: PLUG ASSEMBLY, 34 WAY, SEALED, INLINE HYBRID, FEMALE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A0	00779	C-1438841	

CUSTOMER DRAWING | SCALE 2:1 | SHEET 4 OF 4 | REV B28

4806 (3/13)