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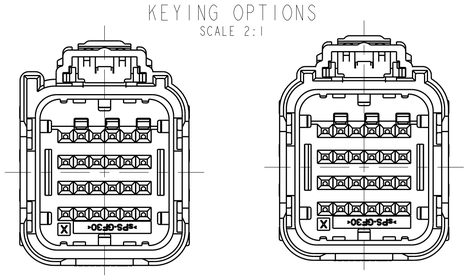
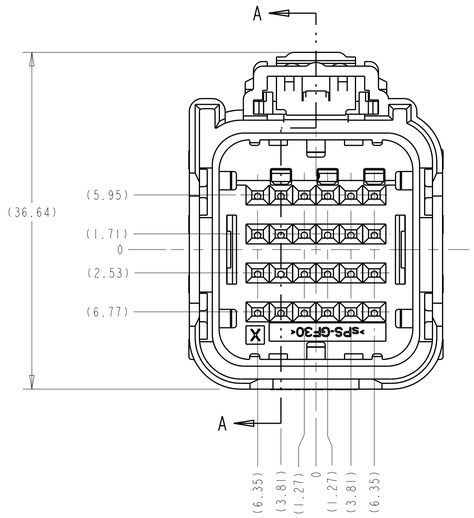
LOC	DIST
FX	00

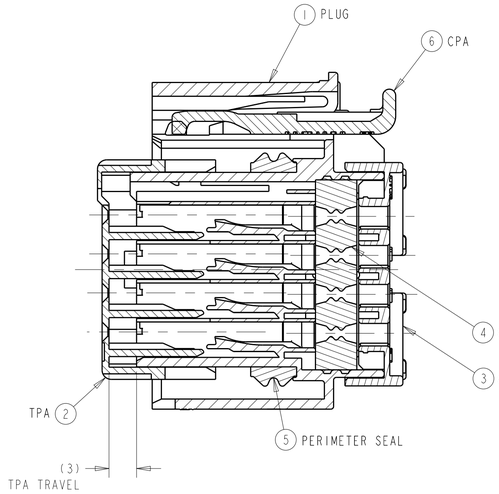
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	BH	REVISED PER ECO-11-024643	08DEC2011	DLD	WTW
	BJ	REVISED PER ECO-12-010178	05JUN2012	DLD	WTW
	BK	REVISED PER ECO-12-017169	28SEP2012	DLD	WTW

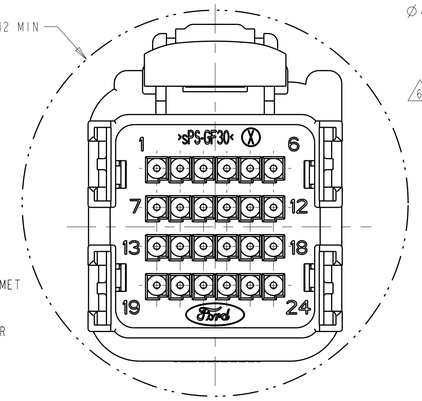
KEYING OPTIONS
SCALE 2:1



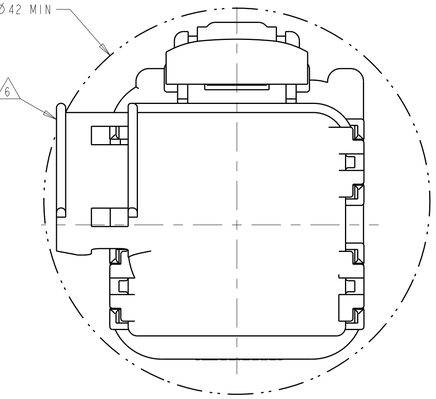




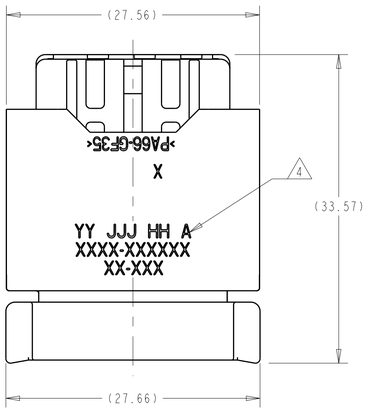
SECTION A-A
SHOWN WITH TPA IN
IT'S PRE-LOADED POSITION
(DELIVERY CONDTION)

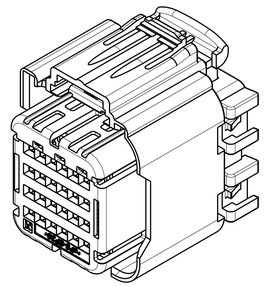


MINIMUM FEED THROUGH CONDITION
WITH 1mm CLEARANCE ALL AROUND

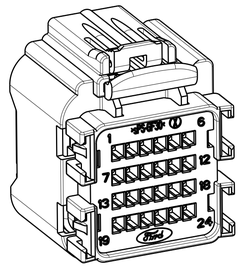


MINIMUM FEED THROUGH CONDITION
WITH 1mm CLEARANCE ALL AROUND
SHOWN WITH OPTION WIRESHIELD



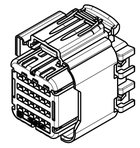


SCALE 2:1



SCALE 2:1

1. APPLICABLE TERMINAL PART NUMBERS (SOLD SEPARATELY):
   FOR TIN APPLICATIONS: 1393367 AND 1393366.
   FOR GOLD APPLICATIONS: 1393365 AND 1393364.
   FOR TERMINATION AND REELING OPTIONS
   SEE DRAWINGS 1393367, 1393366, 1393365, AND 1393364.
2. COMPATIBLE WIRE SIZES FOR MAT SEAL DESIGN 1.19 TO 2.06 O.D.
   (22-18 AWG, 0.35-0.75 mm2)
3. TPA IS SHIPPED IN IT'S PRE-LOADED POSITION. ALL ASSEMBLIES ARE TO BE TRAY PACKAGED.
4. CUSTOMER PART NUMBER AND TRACEABILITY CODE (YY = TWO DIGIT YEAR, JJJ = JULIAN DAY, HH = TWO DIGIT MILITARY HOUR, A = ASSEMBLY PROCESS USED) ARE PRINTED IN THIS LOCATION.
5. PART ASSEMBLY WEIGHT WITHOUT TERMINALS AND WITH STANDARD PIN-OUT CONFIGURATION IS 14.39 GRAMS.
6. OPTIONAL WIRESHIELD P/N 7-1419157-8 (SOLD SEPARATELY). PLEASE CONTACT YOUR TE SALES REPRESENTATIVE FOR AVAILABILITY AND PRICING.



SCALE 1:1

KEYING OPTION "A" SHOWN

ASSEMBLY PART NUMBERS

| 1-1438103-7 | 1-1438103-6 | 1-1438103-5 | 1-1438356-2 | 2-1438095-3 | 1-1438103-4 | 1438582-3 | 1-1438356-1 | 1-1438096-4 | 1-1438103-3 | 1-1438356-0 | 2-1438095-2 | 1-1438096-3 | 1-1438096-2 | 1-1438096-1 | 1438583-3 | 1438583-2 | 1438583-1 | 1438582-2 | 1438582-1 | 1-1438103-2 | 2-1438095-1 | 2-1438095-0 | 1-1438095-9 | 1-1438103-1 | 1-1438095-8 | 1-1438095-7 | 1-1438103-0 | 2-1438103-0 | 1438356-9 | 1438356-8 | 1438103-9 | 1-1438095-6 | 1-1438095-5 | 1-1438095-4 | 1438356-7 | 1438356-6 | 1438356-5 | 1438356-4 | 1-1438095-3 | 1-1438095-2 | 1438103-8 | 1438356-3 | 1-1438095-1 | 1438356-2 | 1438356-1 | 1-1438096-0 | 1438096-9 | 1438096-8 | 1438096-7 | 1438096-6 | 1438096-5 | 1438096-4 | 1438096-3 | 1438096-2 | 4-1419171-1 | 1-1438095-0 | 1438095-9 | 1438095-8 | 1438095-7 | 1438095-6 | 1438095-5 | 1438095-4 | 1438095-3 | 1438095-2 | 4-1419171-0 | 1438103-7 | 1438103-6 | 1438103-5 | 1438103-4 | 1438103-3 | 1438103-2 | 1438103-1 | 7-1419157-7 | 3-1419171-9 | ITEM | DESCRIPTION | MATERIAL | FINISH/COLOR |
|---|---|---|---|---|---

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LOC	DIST
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REVISIONS

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

ASSEMBLY PART NUMBERS

2098672-1	2035010-2	2035010-1	2035009-3	2035009-2	2035009-1	2035008-3	2035008-2	2035008-1	2035007-2	2035007-1	3-1438103-6	3-1438103-5	3-1438103-4	3-1438103-3	3-1438103-2	3-1438103-1	3-1438103-0	2-1438103-9	2-1438103-8	2-1438103-7	2-1438103-6	2-1438103-5	2-1438103-4	2-1438103-3	2-1438103-2	1-1438356-9	1-1438356-8	1-1438356-7	1-1438356-6	1-1438356-5	1-1438356-4	1438582-5	1438582-4	1-1438096-8	1-1438096-5	1-1438356-3	1-1438103-9	1-1438103-8	ITEM	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	CPA	PBT 15% GF	RED
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	PERIMETER SEAL	SILICONE	GREEN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	GROMMET	SILICONE	BROWN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	COVER	PA66 35% GF	BLACK
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	TPA WITH 3 SHORTING BAR POSITIONS CONFIGURATION	sPS 30% GF	RED
			1	1	1																																	1	PLUG WITH KEYING OPTION "F" AND 3 SHORTING BAR POSITIONS CONFIGURATION	PA66 35% GF	BLACK
		1	1	1	1																											1	1					1	PLUG WITH KEYING OPTION "E" AND 3 SHORTING BAR POSITIONS CONFIGURATION	PA66 35% GF	BLACK
	1	1																								1	1	1	1	1	1				1			1	PLUG WITH KEYING OPTION "D" AND 3 SHORTING BAR POSITIONS CONFIGURATION	PA66 35% GF	BLACK
									1	1																							1	1				1	PLUG WITH KEYING OPTION "C" AND 3 SHORTING BAR POSITIONS CONFIGURATION	PA66 35% GF	NATURAL
																																						1	PLUG WITH KEYING OPTION "B" AND 3 SHORTING BAR POSITIONS CONFIGURATION	PA66 35% GF	BLACK
1						1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											1	1	1	PLUG WITH KEYING OPTION "A" AND 3 SHORTING BAR POSITIONS CONFIGURATION	PA66 35% GF	GRAY
QUANTITY																																						ITEM	DESCRIPTION	MATERIAL	FINISH/COLOR

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.3
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±3°

MATERIAL - SEE CHART ABOVE

FINISH - -

DWN	M. FORISKA	16APR2002
CHK	M. FORISKA	16APR2002
APVD	A. VALASEK	16APR2002

TE Connectivity

NAME: 24 WAY ARM, PLUG ASSEMBLY WITHOUT SHORTING BARS, CUSTOMER SPEC.

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-3-1419157-9	-

CUSTOMER DRAWING

SCALE	SHEET	REV
3:1	2 OF 3	BK

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LOC	DIST
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REVISIONS

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

PIN-OUT CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL HOLE POSITION	ASSEMBLY PART NUMBER	PLUG KEYING OPTION
				5	6					11	12											23			3-1438103-6	KEY "A"
1	2			5	6	7	8			11	12			15	16	17	18			21	22				3-1438103-5	KEY "A"
	2			5	6					11	12	13	14	15			18	19		21	22	23	24		1438582-5	KEY "E"
						7	8										18			21	22				1-1438356-9	KEY "D"
																	18			21	22				1-1438356-8	KEY "D"
	2	3	4																			23			3-1438103-4	KEY "A"
	2	3	4																			23			2035008-3	KEY "A"
						7	8					14								21	22				2098672-1	KEY "A"
				5	6	7	8										18			21	22				1-1438356-7	KEY "D"
1	2			5	6	7	8			11	12			15	16						22				1-1438356-6	KEY "D"
1	2			5	6	7	8			11	12			15	16						22				3-1438103-3	KEY "A"
	2			5	6					11	12	13	14	15			18	19		21	22	23	24		1-1438096-8	KEY "C"
1	2			5	6	7	8			11	12			15						21	22				3-1438103-2	KEY "A"
				5	6																	23			3-1438103-1	KEY "A"
	2			5	6	7	8			11	12	13	14	15			18	19		21	22	23	24		3-1438103-0	KEY "A"
1	2			5	6	7	8	9	10	11	12	13	14	15	16	17	18			21	22	23			2-1438103-9	KEY "A"
1	2	3				7	8	9	10	11		13	14	15	16	17	18	19	20	21	22	23	24		2035010-2	KEY "D"
																									2035010-1	KEY "D"
1						7			10	11		13			16	17	18	19			22	23	24		2035009-3	KEY "F"
1						7			10	11		13			16			19			22				2035009-2	KEY "F"
																									2035009-1	KEY "F"
	2			5	6					11	12	13			16		18						24		2035008-2	KEY "A"
																									2035008-1	KEY "A"
	2			5	6					11	12	13		15	16		18	19			22	23	24		2035007-2	KEY "C"
																									2035007-1	KEY "C"
1	2			5	6	7	8			11	12			15		17	18			21	22	23			2-1438103-8	KEY "A"
	2			5	6					11	12	13		15			18	19			22	23	24		2-1438103-7	KEY "A"
										11	12						18			21	22				2-1438103-6	KEY "A"
										11	12										22				2-1438103-5	KEY "A"
1	2			5	6	7	8			11	12		14	15	16						22	23			1-1438356-5	KEY "D"
1	2			5	6	7	8			11	12		14	15	16						22	23			2-1438103-4	KEY "A"
	2	3	4	5	6						12	13	14	15	16		18	19		21	22	23	24		1438582-4	KEY "E"
				5	6					11	12			15			18			21	22	23			2-1438103-3	KEY "A"
1	2			5	6	7	8			11	12	13	14	15	16	17	18			21	22	23			2-1438103-2	KEY "A"
1	2			5	6	7	8	9	10	11	12			15	16	17	18			21	22	23			1-1438356-4	KEY "D"
1	2			5	6					11	12			15	16						22				1-1438096-5	KEY "C"
1	2			5	6					11	12			15	16						22				1-1438356-3	KEY "D"
																					22				1-1438103-9	KEY "A"
																	18			21	22				1-1438103-8	KEY "A"
1	2			5	6	7	8			11	12	13	14	15	16						22	23			1-1438103-7	KEY "A"
	2			5	6					11	12	13			16		18						24		1-1438103-6	KEY "A"
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		ASSEMBLY PART NUMBER	PLUG KEYING OPTION

CAVITIES WITH A NUMERIC SYMBOL INDICATE CLOSED TERMINAL HOLE POSITIONS

BLANK CAVITIES INDICATE OPEN TERMINAL HOLE POSITIONS

PIN-OUT CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL HOLE POSITION	ASSEMBLY PART NUMBER	PLUG KEYING OPTION
1	2	3	4	5		7	8	9	10	11		13	14	15	16	17	18	19	20	21	22	23	24		1-1438103-5	KEY "A"
1	2			5	6	7	8			11	12			15	16	17	18			21	22	23			1-1438356-2	KEY "D"
	2	3	4	5	6						12	13	14	15	16		18	19		21	22	23	24		2-1438095-3	KEY "B"
				4	5	6				10	11	12				16	17	18			22	23	24		1-1438103-4	KEY "A"
1						7			10	11		13			16	17	18	19			22	23	24		1438582-3	KEY "E"
1	2	3				7	8	9	10	11		13	14	15	16	17	18	19	20	21	22	23	24		1-1438356-1	KEY "D"
	2			5	6					11	12	13		15			18	19			22	23	24		1-1438096-4	KEY "C"
	2			5	6					11	12	13	14	15			18	19		21	22	23	24		1-1438103-3	KEY "A"
1	2	3				7			10	11		13			16	17	18	19	20	21	22	23	24		1-1438356-0	KEY "D"
	2	3	4	5	6	7	8				12	13	14	15	16		18	19		21	22	23	24		2-1438095-2	KEY "B"
	2	3	4	5	6						12	13	14	15	16		18	19		21	22	23	24		1-1438096-3	KEY "C"
	2			5	6					11	12	13			16		18						24		1-1438096-2	KEY "C"
	2			5	6					11	12	13		15	16		18	19			22	23	24		1-1438096-1	KEY "C"
1						7			10	11		13			16	17	18	19			22	23	24		1438583-3	KEY "F"
1						7			10	11		13			16			19			22				1438583-2	KEY "F"
																									1438583-1	KEY "F"
1	2	3				7	8	9	10	11		13	14	15	16	17	18	19	20	21	22	23	24		1438582-2	KEY "E"
																									1438582-1	KEY "E"
1	2	3	4	5		7	8	9	10	11		13	14	15		17		19	20	21					1-1438103-2	KEY "A"
	2	3	4	5	6						12	13	14	15	16		18	19			22	23	24		2-1438095-1	KEY "B"
	2	3	4	5	6					11	12		14		16		18						24		2-1438095-0	KEY "B"
	2	3	4	5	6						12	13		15	16		18	19			22	23	24		1-1438095-9	KEY "B"
1						7			10	11		13			16	17	18	19			22	23	24		1-1438103-1	KEY "A"
	2	3	4	5	6					11	12		14		16		18			21			24		1-1438095-8	KEY "B"
					6						12	13	14	15	16		18	19		21	22	23	24		1-1438095-7	KEY "B"
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		1-1438103-0	KEY "A"
1	2	3				7	8	9				13	14	15		17		19	20	21					2-1438103-0	KEY "A"
																									1438356-9	KEY "D"
1	2			5	6	7	8			11	12			15	16						22	23			1438356-8	KEY "D"
1	2			5	6	7	8			11	12			15	16						22	23			1438103-9	KEY "A"
				5	6						12		14		16		18						24		1-1438095-6	KEY "B"
				5	6						12	13	14	15	16		18	19			22	23	24		1-1438095-5	KEY "B"
				5	6						12	13	14		16		18						24		1-1438095-4	KEY "B"
				5	6					11	12			15	16					21	22	23			1438356-7	KEY "D"
				5	6					11	12			15	16		18			21	22	23			1438356-6	KEY "D"
				5	6					11	12			15	16		18				22	23			1438356-5	KEY "D"
				5	6	7	8	9	10	11	12			15	16	17	18			21	22	23			1438356-4	KEY "D"
				5	6					11	12			15	16		18			21	22	23			1-1438095-3	KEY "B"
				5	6					11	12			15	16						22	23			1-1438095-2	KEY "B"
						7	8			11		13				17	18	19	20	21	22	23	24		1438103-8	KEY "A"
				5	6					11	12										22	23			1438356-3	KEY "D"
1	2	3	4	5	6																	23			1-1438095-1	KEY "B"
1	2	3	4	5	6											16		18				23			1-1438096-0	KEY "C"
1	2	3	4	5	6	7	8	9	10									16				23			1438096-9	KEY "C"
1	2	3	4	5	6																	23			1438096-8	KEY "C"
1	2	3				7	8	9	10	11		13	14	15	16	17	18	19	20	21	22	23	24		1438096-7	KEY "C"
1	2	3	4	5	6											16		18				23			1438096-4	KEY "C"
										11		13					19	20	21		22				1438096-3	KEY "C"
1	2	3	4	5	6												18								1438096-2	KEY "C"
1	2	3	4	5	6											17					22	23			1-1438095-0	KEY "B"
1	2	3	4	5	6											16	17				22	23			1438095-9	KEY "B"
1	2	3	4	5	6												17				22				1438095-8	KEY "B"
1	2	3	4	5	6											16	17				22				1438095-7	KEY "B"
					6					11	12		14		16		18			21			24		1438095-6	KEY "B"
1	2	3	4	5	6																22	23			1438095-5	KEY "B"
	2	3			6	7	8				12	13		15	16		18	19		21	22	23	24		1438095-3	KEY "B"
					6						12	13		15	16		18	19			22	23	24		1438095-4	KEY "B"
1	2	3	4	5	6																22				1438095-2	KEY "B"
				5	6					11	12			15	16						22	23			1438356-2	KEY "D"
				5	6					11	12			15	16		18			21	22	23			1438103-7	KEY "A"
				5	6					11	12			15	16						22	23			1438103-6	KEY "A"
1						7				11		13				17	18	19			22	23	24		1438103-5	KEY "A"
	2	3	4	5	6						12	13	14	15	16		18	19		21	22	23	24		1438103-4	KEY "A"
1						7				11		13						19			22				1438096-5	KEY "C"
																									1438103-3	KEY "A"
1						7			10	11		13			16			19			22				1438103-2	KEY "A"
1	2	3	4	5	6											17									7-1419157-7	KEY "A"
1	2	3				7	8	9		11		13	14	15		17	18	19	20	21	22	23	24		1438096-6	KEY "C"
																									1438103-1	KEY "A"
																									1438356-1	KEY "D"
																									4-1419171-1	KEY "C"
																									4-1419171-0	KEY "B"
																									3-1419171-9	KEY "A"
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL HOLE POSITION	ASSEMBLY PART NUMBER	PLUG KEYING OPTION

CAVITIES WITH A NUMERIC SYMBOL INDICATE CLOSED TERMINAL HOLE POSITIONS

BLANK CAVITIES INDICATE OPEN TERMINAL HOLE POSITIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.3
2 PLC ±0.10
3 PLC ±-
4 PLC ±-
ANGLES ±3°

MATERIAL - SEE CHART ABOVE
FINISH - -

DWN	M. FORISKA	16APR2002
CHK	M. FORISKA	16APR2002
APVD	A. VALASEK	16APR2002

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME 24 WAY ARM, PLUG ASSEMBLY WITHOUT SHORTING BARS, CUSTOMER SPEC.

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-3-1419157-9	-

CUSTOMER DRAWING

SCALE	SHEET	REV
3:1	3 OF 3	BK