

8

7

6

5

4

3

2

1

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KEYING OPTIONS

SCALE 2:1

OPTION "A"

OPTION "B"

OPTION "C"

OPTION "D"

OPTION "E"

OPTION "F"

1

PLUG

6

CPA

4

GROMMET

3

COVER

5

PERIMETER SEAL

2

TPA

3

TPA TRAVEL

SECTION A-A

SHOWN WITH TPA IN

IT'S PRE-LOADED POSITION

(DELIVERY CONDION)

Ø 42 MIN

MINIMUM FEED THROUGH CONDITION

WITH 1mm CLEARANCE ALL AROUND

Ø 42 MIN

MINIMUM FEED THROUGH CONDITION

WITH 1mm CLEARANCE ALL AROUND

SHOWN WITH OPTION WIRESHIELD

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.

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

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

6

CPA

PBT 15% GF

RED

5

PERIMETER SEAL

SILICONE

GREEN

4

GROMMET

SILICONE

BROWN

3

COVER

PA66 35% GF

BLACK

2

TPA WITH

3 SHORTING BAR POSITIONS CONFIGURATION

sPS 30% GF

RED

1

PLUG WITH KEYING OPTION "F" AND

3 SHORTING BAR POSITIONS CONFIGURATION

PA66 35% GF

BLACK

1

PLUG WITH KEYING OPTION "E" AND

3 SHORTING BAR POSITIONS CONFIGURATION

PA66 35% GF

BLACK

1

PLUG WITH KEYING OPTION "D" AND

3 SHORTING BAR POSITIONS CONFIGURATION

PA66 35% GF

BLACK

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

PLUG WITH KEYING OPTION "A" AND

3 SHORTING BAR POSITIONS CONFIGURATION

PA66 35% GF

GRAY

ITEM

DESCRIPTION

MATERIAL

FINISH/COLOR

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN M. FORISKA 16APR2002

CHK M. FORISKA 16APR2002

APVD A. VALASEK 16APR2002

DIMENSIONS:

mm

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

±

±0.3

±0.10

±

±

±

-

TOLERANCES UNLESS

OTHERWISE SPECIFIED:

MATERIAL

SEE CHART ABOVE

WEIGHT

SEE NOTE 5

CUSTOMER DRAWING

NAME

24 WAY ARM,

PLUG ASSEMBLY WITHOUT SHORTING BARS,

CUSTOMER SPEC.

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

SCALE

3:1

SHEET

1

OF

3

REV

BM

4805 (3/11)

[illegible]

PIN-OUT CHART																												
1	2	3	4	5		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21				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		21	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						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						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"	
				6						11	12	14		16	18								24			1-1438095-6	KEY "B"	
				6							12	13	14	15	16	18	19			22	23	24			1-1438095-5	KEY "B"		
				6							12	13	14		16	18						24			1-1438095-4	KEY "B"		
			5	6						11	12			15	16	18		21	22	23						1438356-7	KEY "D"	
			5	6						11	12			15	16	17	18		21	22	23					1438356-6	KEY "D"	
			5	6						11	12			15	16	18		21	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"	
										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	18					23					1438096-9	KEY "C"	
1	2	3	4	5	6											18					22	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					22	23				1438096-4	KEY "C"	
										11	13							19	20	21	22					1438096-3	KEY "C"	
1	2	3	4	5	6											17	18									1438096-2	KEY "C"	
1	2	3	4	5	6											16	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			15	16	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			ASSEMBLY PART NUMBER	PLUG KEYING OPTION	
TERMINAL HOLE POSITION																												
CAVITIES WITH A NUMERIC SYMBOL INDICATE CLOSED TERMINAL HOLE POSITIONS																												
BLANK CAVITIES INDICATE OPEN TERMINAL HOLE POSITIONS																												

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRAWN: W. FORISKA 16APR2002 CHECKED: W. FORISKA 16APR2002 APPROVED: A. VALASTIN 16APR2002		 TE Connectivity	
DIMENSIONS: mm		TO DIMENSIONS UNLESS OTHERWISE SPECIFIED:		NAME: 24 WAY ARM, PLUG ASSEMBLY WITHOUT SHORTING BARS, CUSTOMER SPEC.	
		PRODUCT SPEC		SIZE: A1 CAGE CODE: 00779 DRAWING NO: C-3-1419157-9	
MATERIAL: SEE CHART ABOVE		APPLICATION SPEC		RESTRICTED TO:	
WEIGHT: -		CUSTOMER DRAWING		SCALE: 3:1 SHEET: 3 OF 3 REV: BM	

Mouser Electronics

Authorized Distributor

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[1438583-3](#)