

**NOTES:**

1. MATERIAL: POLYESTER (PBT), 7.5% GLASS FILLED, UL 94V-0. COLOR: BLACK
2. FINISH: NONE
3. PRODUCT SPEC. : PS-43510-002
4. ALL DIMENSIONS SHOWN FOR REFERENCE ONLY.
5. PART TO BE USED WITH PODS SHOWN IN CHART. SEE SHEET 2 FOR ASSEMBLY INFORMATION.
6. PODS MAY BE PLACED IN ANY POSITION DESIRED.
7. FOR RECOMMENDED PANEL OPENING, SEE SHEET 2.
8. PART MATES WITH 43838-0\*\*\* RECEPTACLE SHROUD.
9. MATED CONNECTOR ASSEMBLIES MUST BE UNMATED WITH A STRAIGHT PULL IN THE DIRECTION SHOWN. TO PREVENT DAMAGE, AVOID ROTATING ASSEMBLIES DURING UNMATING.
10. SEE SHEET 2 FOR APPLICATION NOTES.

SEE NOTE 9

LATCHING AREA IS KEYS TO PREVENT IMPROPER MATING.

MATERIAL NO.	POSITIONS	DIM. "A"
43839-0601	6	74.80 (2.945)
43839-0501	5	62.50 (2.461)
43839-0401	4	50.20 (1.976)
43839-0301	3	37.90 (1.492)
43839-0201	2	25.60 (1.007)

MATERIAL NO.	DESCRIPTION
43516-0001	BLIND-MATE POD
43515-0001	6 CIRCUIT MICRO-FIT PLUG
43514-0001	4 CIRCUIT MINI-FIT JR. PLUG
43513-0001	1 CIRCUIT MINI-FIT SR. PLUG

**AVAILABLE PODS**

REVISED PANEL OPENING  
EC NO. UCR 999-0902  
DRAWING NO. 000221  
CIR. KOTZ 000221  
APPL. COMERC. 000221

QUALITY SYMBOLS  
MAJOR  
CRITICAL  
ANGULAR: ±  
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

GENERAL TOLERANCES: (UNLESS SPECIFIED)  
SCALE 4 : 1  
DESIGN UNITS mm INCH  
DRAWN BY & DATE  
COMERC1 97/10/06  
CHECKED BY & DATE  
COMERC1 97/10/06  
APPROVED BY & DATE  
FRY 97/10/10  
CAD FILENAME  
S4383901.DGN

TITLE: **PANEL MOUNT PLUG SHROUD, 12.3 mm (1.484) PITCH, COMPODRE SYSTEM**  
MATERIAL NO. MOLEX INCORPORATED  
DRAWING NO. **SD-43839-001**  
SHEET NO. 1 OF 2  
SIZE D

43839

PANEL OPENING

POSITIONS	DIM. "B" $\pm 0.10$ ( $\pm 0.004$ )	DIM. "C" $\pm 0.10$ ( $\pm 0.004$ )
2	38.40 (1.512)	12.30 (.484)
3	50.70 (1.997)	24.60 (.969)
4	63.00 (2.480)	36.90 (1.453)
5	75.30 (2.965)	49.20 (1.937)
6	87.60 (3.449)	61.50 (2.421)

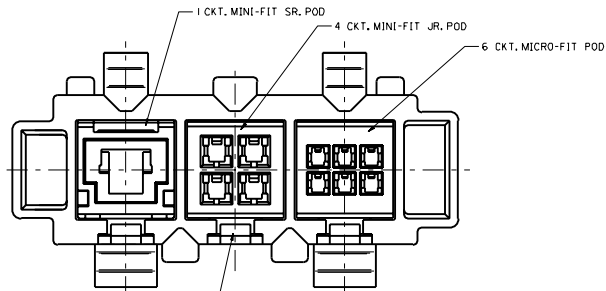
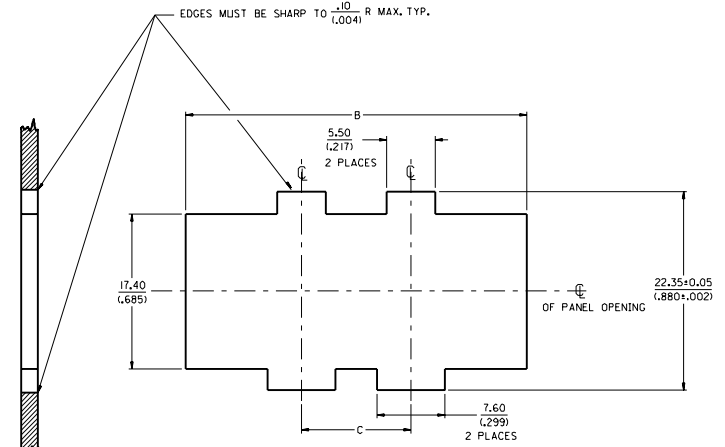
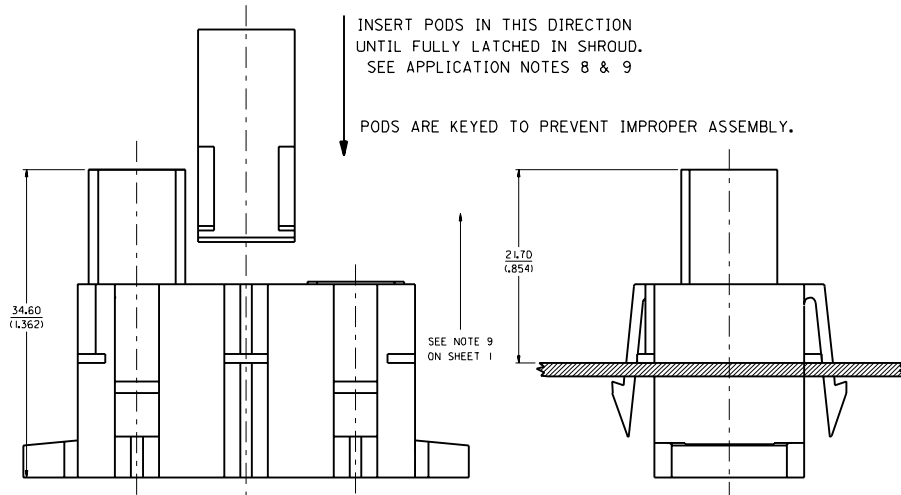
APPLICATION NOTES:

1. PLACE THE HIGH CURRENT MINI-FIT SR. PODS IN THE OUTER POSITIONS OF THE SHROUD TO MAXIMIZE CURRENT CARRYING CAPABILITY.
2. IF MORE THAN ONE MINI-FIT SR. POD IS USED, PLACE THEM AS FAR APART AS POSSIBLE IN THE SHROUD TO MAXIMIZE CURRENT CARRYING CAPABILITY.
3. REFER TO THE INDIVIDUAL PRODUCT'S PRODUCT SPECIFICATION FOR DETAILED PERFORMANCE CHARACTERISTICS OF EACH. (MINI-FIT JR., MINI-FIT SR., MICRO-FIT 3.0, ETC.)
4. THE SHROUD PROVIDES SYSTEM POLARIZATION. PODS MUST NEVER BE APPLIED WITHOUT THE USE OF THE SHROUD, 'MALE' AND 'FEMALE' PODS CAN BE INSERTED INTO EITHER SHROUD FOR ADDITIONAL CONNECTOR POLARIZATION. WHEN MULTIPLE COMPODRE SYSTEMS ARE USED IN A SINGLE APPLICATION, THE PODS MAY BE POSITIONED TO PROVIDE FOOLPROOF HARNESS TO HARNESS POLARIZATION.
5. 'PIC TAIL' OR HARNESS PODS CAN BE INSERTED INTO RIGHT ANGLE HEADER SHROUDS WHERE NECESSARY.
6. TO OBTAIN THE LOWEST POSSIBLE MATING FORCES OF A FULLY LOADED SHROUD, THE TERMINALS MUST BE ALLOWED TO FLOAT AS DESIGNED. ASSURE THAT THE TERMINALS ARE CRIMPED PROPERLY BY USING ONLY MOLEX TERMINALS AND PROPERLY MAINTAINED MOLEX AUTHORIZED APPLICATION TOOLING.
7. FOR PROPER MATING OF SHROUDS, THE POD LOCKING FINGERS ON BOTH SHROUDS MUST BE ORIENTED SUCH THAT THEY ARE ON THE SAME PLANE WHEN MATING THE CONNECTORS. THE SIDE LATCHES OF THE SHROUD ARE DESIGNED TO PROVIDE POLARIZATION.
8. EACH SHROUD POD BAY IS KEYED TO PROVIDE POLARIZATION. THE POD MUST BE INSTALLED IN THE DIRECTION SHOWN. WHEN INSERTING A POD INTO THE SHROUD, THE 'U' SHAPED FEATURE ON THE SIDE OF THE POD MUST BE ORIENTED TO THE SAME FACE AS THE POD LOCKING FINGERS ON THE SHROUD.
9. AS THE 'FACE TO FACE' MATING OF THE PODS IS CRITICAL TO ASSURE THAT ALL CONTACTS ARE FULLY 'WIPE'D, THE TOLERANCES OF THE SHROUD TO SHROUD MATING ARE TIGHTLY CONTROLLED. THEREFORE, WHEN SEATING A POD INTO A SHROUD, MAKE CERTAIN THAT THE SHROUD LOCKING FINGER IS FULLY SEATED INTO THE POD. IT MAY BE NECESSARY AT TIMES TO APPLY A SLIGHT VERTICAL FORCE TO THE LOCKING FINGER TO SEAT THE POD FULLY. ALSO, WHEN MATING TWO SHROUDS, ASSURE THAT THE SHROUD POSITIVE LOCKS, LOCATED ON THE SIDES OF THE SHROUD, ARE FULLY ENGAGED WITH THE MATING SHROUD.
10. PODS MAY BE REMOVED FROM SHROUDS IF REQUIRED. TO REMOVE A POD, SIMPLY DEFLECT THE LOCKING FINGER AWAY FROM THE POD, USING A FINGER NAIL OR A SMALL STRAIGHT BLADE SCREWDRIVER, JUST FAR ENOUGH TO DISENGAGE THE POD. CAUTION: EXCESSIVE DEFLECTION MAY DAMAGE OR DESTROY THE LOCKING FINGER.
11. THE SHROUD PROVIDES SYSTEM POLARIZATION. PODS MUST NEVER BE APPLIED WITHOUT THE USE OF A SHROUD.

INSERT PODS IN THIS DIRECTION  
UNTIL FULLY LATCHED IN SHROUD.  
SEE APPLICATION NOTES 8 & 9

PODS ARE KEYED TO PREVENT IMPROPER ASSEMBLY.

PANEL PUNCH SIDE



CAUTION:  
SEE APPLICATION NOTE 10

RECOMMENDED PANEL OPENING FROM OUTSIDE OF BOX

PANEL THICKNESS: 1.57 (0.062) TO 2.29 (0.090)

REVISED PANEL OPENING EC NO. UCR2000-0902 DRAWN BY 000021 CHK: KOTZ 000021 APPR: COMERCI. 000021	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE 4 : 1	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION	DIMENSIONS: <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> ONLY	SHT	REV
	MAJOR $\nabla 0$	4 PLACES $\pm 0.---$ $\pm.---$	mm INCH	DRAWN BY & DATE COMERCI 97/10/07	TITLE: PANEL MOUNT PLUG SHROUD. 12.3 mm (.484) PITCH, MULTI-FIT SYSTEM			
	CRITICAL $\nabla 0$	3 PLACES $\pm 0.---$ $\pm.---$		CHECKED BY & DATE COMERCI 97/10/07	MOLEX INCORPORATED			
		2 PLACES $\pm 0.---$ $\pm.---$		APPROVED BY & DATE FRY 97/10/10				
		1 PLACE $\pm 0.---$ $\pm.---$		CAD FILENAME S4383902.DGN	MATERIAL NO. SEE CHART	DRAWING NO. SD-43839-001	2	
		ANGULAR: $\pm$ $^{\circ}$		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.			SIZE D