

Excellent Integrated System Limited

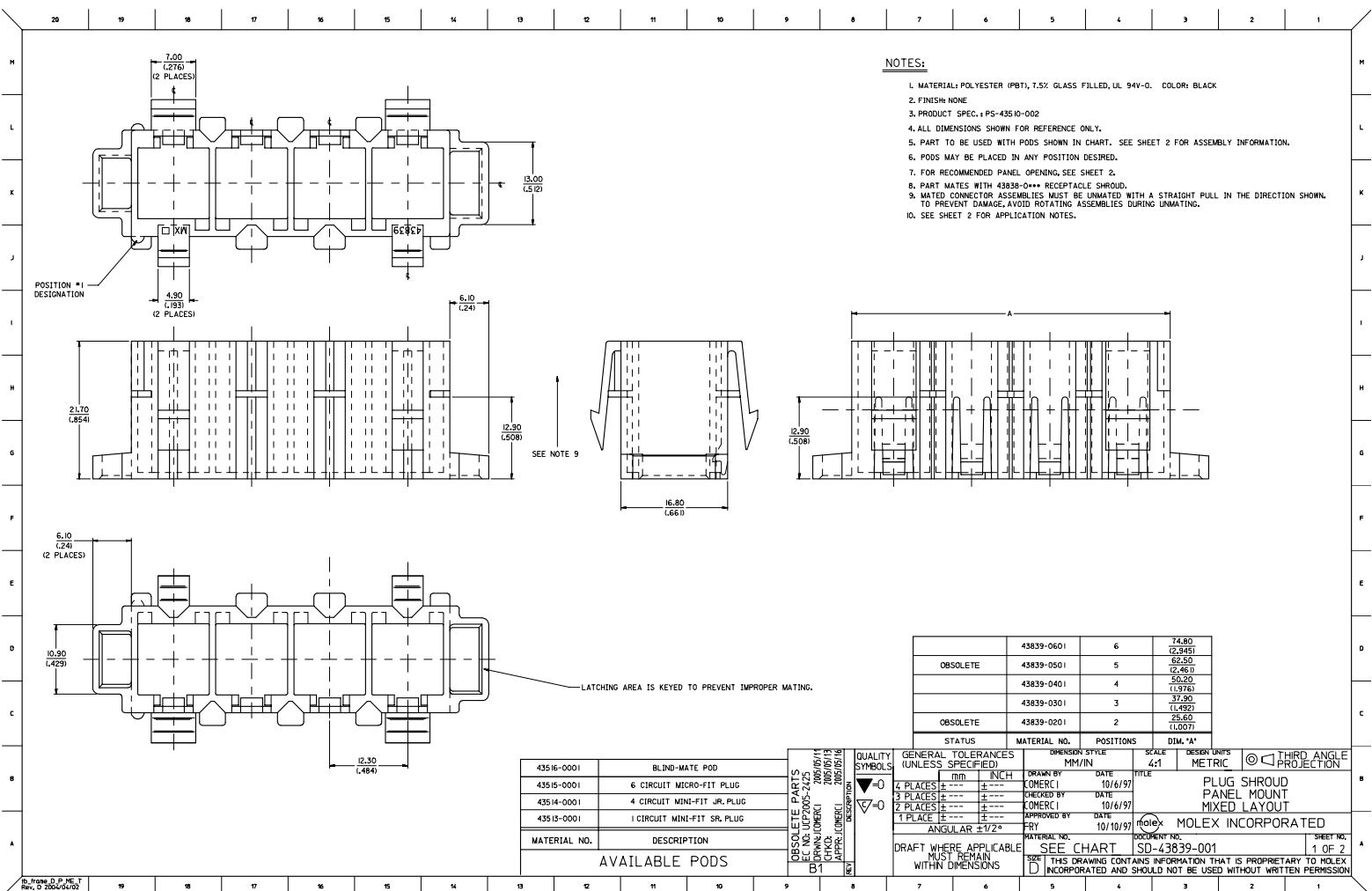
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[43839-0601](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



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 43839-0*** 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.

STATUS	MATERIAL NO.	POSITIONS	DIM. 'A'
	43839-0601	6	74.80 (2.945)
OBsolete	43839-0501	5	62.50 (2.461)
	43839-0401	4	50.20 (1.976)
	43839-0301	3	37.90 (1.492)
OBsolete	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

QUALITY SYMBOLS
 ▽=0
 ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
2 PLACES ±0.15	MM/IN	4:1	METRIC	☑
3 PLACES ±0.20				
2 PLACES ±0.25				
1 PLACE ±0.30				
ANGULAR ±1/2°				

DRIVEN BY	DATE	TITLE
OMERC I	10/6/97	PLUG SHROUD PANEL MOUNT MIXED LAYOUT
CHECKED BY	DATE	
OMERC I	10/6/97	
APPROVED BY	DATE	
FRY	10/10/97	
MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-43839-001	1 OF 2

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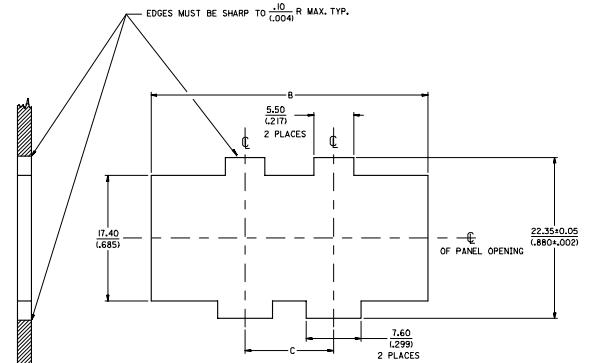
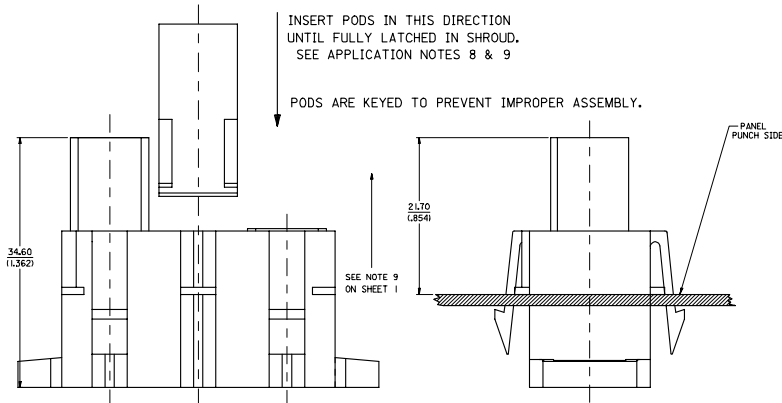
PANEL OPENING		
POSITIONS	DIM. "B" ±0.10 (±0.004)	DIM. "C" ±0.10 (±0.004)
2	38.40 (1.512)	12.30 (0.484)
3	50.70 (1.997)	24.60 (0.969)
4	63.00 (2.480)	36.90 (1.453)
5	75.30 (2.965)	49.20 (1.937)
6	81.60 (3.213)	61.50 (2.421)

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 COMPONRE SYSTEMS ARE USED IN A SINGLE APPLICATION, THE PODS MAY BE POSITIONED TO PROVIDE FOOLPROOF HARNESS TO HARNESS POLARIZATION.
5. *PIG 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 KEYS TO PROVIDE POLARIZATION. THE POD MUST BE INSTALLED IN THE DIRECTION SHOWN WHEN INSERTING A POD INTO THE SHROUD. THE "J" 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 "WIPED", 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.

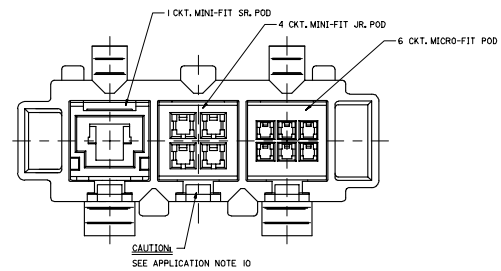
INSERT PODS IN THIS DIRECTION UNTIL FULLY LATCHED IN SHROUD. SEE APPLICATION NOTES 8 & 9.

PODS ARE KEYS TO PREVENT IMPROPER ASSEMBLY.



RECOMMENDED PANEL OPENING FROM OUTSIDE OF BOX

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



QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRIVEN BY	DATE	TITLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	2 PLACES	±0.10	OMERC I	10/6/97	PLUG SHROUD	4:1	METRIC	PANEL MOUNT MIXED LAYOUT MOLEX INCORPORATED
	3 PLACES	±0.15	CHECKED BY	DATE				
	2 PLACES	±0.20	OMERC I	10/6/97				
1 PLACE	±0.30	APPROVED BY	DATE					
	ANGULAR ±1/2°		FRY	10/10/97				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART	MATERIAL NO.	DOCUMENT NO.				SHEET NO.
		SD-43839-001						2 OF 2
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