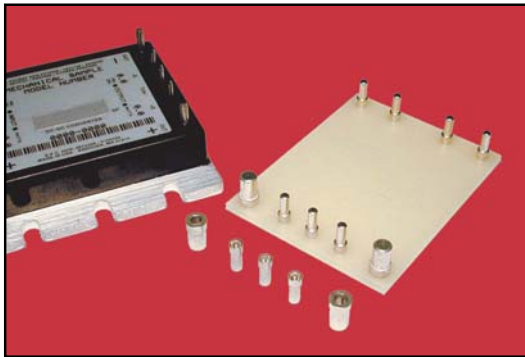


MAX solutions

Mill-Max Socket Carriers For DC/DC Converters

Mill-Max now offers socket carriers for use with DC-DC converters. Rather than being soldered directly to the circuit board, DC-DC converters are often socketed to permit easy field replacement and repair. A socket carrier is a simple way to provide a low profile socket for a DC-DC converter. See typical example of a 16 pin DC-DC converter socket on the back.



Why Socket a DC/DC Converter?

- **Field Upgradeability:** Enables customer to add extra converters in the field or upgrade existing ones.
- **Field Replaceability:** Enables customer to replace existing converters in the field in the event of failure.
- **Eliminates Cleaning Hazard:** Converters can now be installed after boards are cleaned so they cannot be harmed by solvents.

Mill-Max socket carriers consist of a rigid FR-4 wafer having pins installed to match the converter footprint. Onto these pins are loaded a variety of individual sockets (receptacles) which will accept the signal and power pins of the converter. The carrier allows easy placement of these receptacles into the circuit board prior to wave or reflow soldering. The carrier accurately locates and holds down the receptacles during the soldering process. After soldering, the carrier is removed and the converter plugged into the receptacle array. (The socket carrier is essentially an assembly and soldering fixture that may be reloaded and reused.)

Mill-Max receptacles are discrete sockets designed to accept the signal and power pins of the converter. They comprise a precision-machined housing with a press-fit beryllium copper spring contact.

Socket carriers are available to accommodate all popular brands of converter such as Vicor, Astec, Lucent, C&D, Artesyn, etc.

For additional information, please visit mill-max.com/PR478.

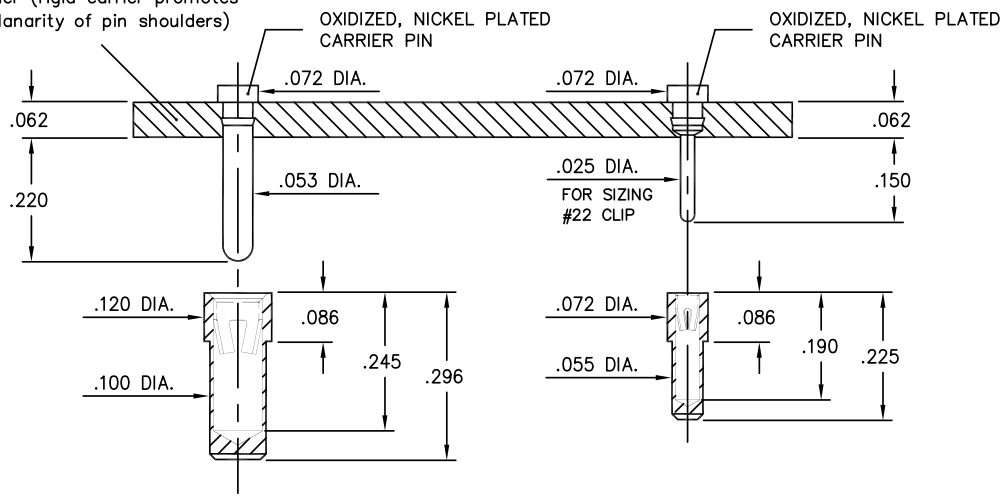
(07/09 - 478, 481, 496)

Mill-Max Mfg. Corp. • 190 Pine Hollow Road, Oyster Bay, NY 11771-0300
516-922-6000 • Fax: 516-922-9253 • www.mill-max.com



DATABASE NO.	FILE NAME	REV	DATE	DESCRIPTION
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Rigid .062" FR-4 epoxy returnable carrier (rigid carrier promotes coplanarity of pin shoulders)



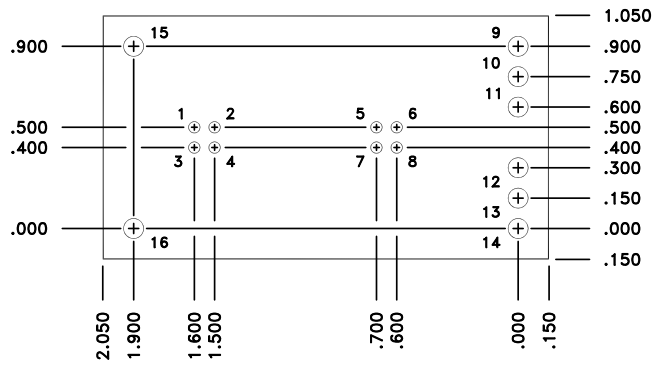
NOTES:

1. SHELL MATERIAL: BRASS ALLOY 360, 1/2 HARD.
2. SHELL FINISH: 200 μ" TIN/LEAD (93/7) OVER NICKEL.
3. CONTACT MATERIAL: BERYLLIUM COPPER ALLOY 172, HEAT TREATED.
4. CONTACT FINISH: 10 μ" GOLD OVER NICKEL AND 200 μ" TIN/LEAD (93/7) OVER NICKEL.
5. INSULATOR MATERIAL: EPOXY TYPE FR-4, RATED UL 94 V-0.

		MILL-MAX® MFG. CORP. P.O. BOX 300, 190 PINE HOLLOW RD., OYSTER BAY, N.Y. 11771-0300 TEL: (516) 922-6000, FAX: (516) 922-9253, WEB: WWW.MILL-MAX.COM						
		SCALE	DATE	DRAWN	ENG. APPROVAL	SHEET NUMBER		
ALL DIMENSIONS IN INCHES AND BEFORE PLATING PIN TOLERANCES: LENGTHS ± .005 DIAMETERS ± .002 ANGLES ± 2°		DIMENSIONS IN INCHES INSULATOR TOLERANCES: LENGTHS ± .005 THICKNESS ± .0075 HOLE TO HOLE ± .001 NOT ACCUMULATIVE		N/S	01/20/99	D.M.		1 of 2
TITLE: SIDE VIEW CARRIER DETAILS								
CUSTOMER APPROVAL						DATE	PROPOSAL NUMBER	REV
							DCTODC	-

DATABASE NO.	FILE NAME	REV	DATE	DESCRIPTION
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(TOP VIEW OF ASSEMBLY)



NOTES:

1. SHELL MATERIAL: BRASS ALLOY 360, 1/2 HARD.
2. SHELL FINISH: 200 μ" TIN/LEAD (93/7) OVER NICKEL.
3. CONTACT MATERIAL: BERYLLIUM COPPER ALLOY 172, HEAT TREATED.
4. CONTACT FINISH: 10 μ" GOLD OVER NICKEL AND 200 μ" TIN/LEAD (93/7) OVER NICKEL.
5. INSULATOR MATERIAL: EPOXY TYPE FR-4, RATED UL 94 V-0.

CONVERTER TYPE: LUCENT FULL BRICK

		MILL-MAX® MFG. CORP. P.O. BOX 300, 190 PINE HOLLOW RD., OYSTER BAY, N.Y. 11771-0300 TEL: (516) 922-6000, FAX: (516) 922-9253, WEB: WWW.MILL-MAX.COM						
		SCALE	DATE	DRAWN	ENG. APPROVAL	SHEET NUMBER		
ALL DIMENSIONS IN INCHES AND BEFORE PLATING PIN TOLERANCES: LENGTHS ± .005 DIAMETERS ± .002 ANGLES ± 2°		DIMENSIONS IN INCHES INSULATOR TOLERANCES: LENGTHS ± .005 THICKNESS ± .0075 HOLE TO HOLE ± .001 NOT ACCUMULATIVE		N/S	01/20/99	D.M.		2 of 2
TITLE: 16 POSITION CARRIER ASSEMBLY								
CUSTOMER APPROVAL						DATE	PROPOSAL NUMBER	REV
							DCTODC	-