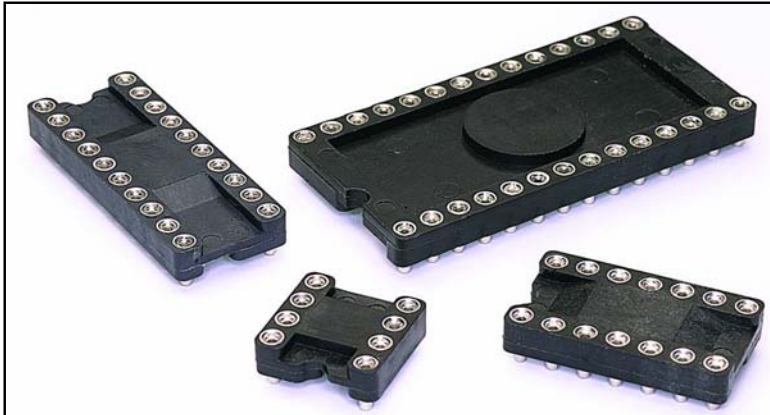


# MAX solutions

## Mill-Max “Pick-n’Place DIP Sockets for Automated SMT Assembly



Designed for automated board assembly equipment by companies such as Fuji and Panasonic, these sockets feature a top pad for vacuum pick-up. The closed frame design allows the machine’s vision system to position and place the socket accurately on the PC board. On the larger sizes, there’s also a vacuum pad beneath the socket for horizontal transfer on Fuji equipment.

Mill-Max “pick & place” DIP sockets contain unique “floating” contacts which compensate for the effects of unevenly dispensed solder paste. These contacts allow .008” vertical travel, reacting to capillary action as the solder paste melts. The insulator is molded from high temperature Nylon 46 material, suitable for vapor phase and infra-red reflow soldering. All products feature the world famous Mill-Max “multi-finger” beryllium copper contact renowned for its greater compliancy and proven reliability.

Mill-Max supplies “pick and place” DIP sockets on 13” diameter reels, from 8 pins to 32 pins with tape widths from 16mm to 56mm. The sockets are protected by a clear, heat sealed cover tape which is peeled back when the sockets are presented to the vacuum head.

For more information, please visit [mill-max.com/PR415](http://mill-max.com/PR415).

(7/09 - 412, 415, 447D)

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## DUAL-IN-LINE SOCKETS

### Surface Mount, Auto Placement, Stub Tail Closed Frame

Series 214

- Unique floating contacts compensate for the effects of unevenly screened solder paste.
- Available packaged in tubes or on tape & reel per EIA-481.
- High temp. Nylon 46 insulator, is suitable for infra-red & vapor phase soldering. Closed frame insulator is vision system compatible.
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 218 for details.
- Series 214 use MM #1434 pins. See page 133 for details.

Total number of pins				<b>Ordering Information</b>				
	A	B	C	QTY PER TUBE	TUBE PACKAGING	TAPE & REEL PACKAGING	TAPE WIDTH (mm)	QTY PER REEL
<b>VACUUM PAD TOP SURFACE ONLY</b>								
6	0.3	0.3	0.4	67	214-XX-306-01-670800	214-XX-306-01-670799	16	750
8	0.4	0.3	0.4	50	214-XX-308-01-670800	214-XX-308-01-670799	16	1000
14	0.7	0.3	0.4	28	214-XX-314-01-670800	214-XX-314-01-670799	32	750
16	0.8	0.3	0.4	25	214-XX-316-01-670800	214-XX-316-01-670799	32	750
18	0.9	0.3	0.4	22	214-XX-318-01-670800	214-XX-318-01-670799	44	750
20	1.0	0.3	0.4	20	214-XX-320-01-670800	214-XX-320-01-670799	44	750
<b>VACUUM PAD TOP AND BOTTOM</b>								
24	1.2	0.6	0.7	16	214-XX-624-01-670800	214-XX-624-01-670799	44	400
28	1.4	0.6	0.7	14	214-XX-628-01-670800	214-XX-628-01-670799	56	400
32	1.6	0.6	0.7	12	214-XX-632-01-670800	214-XX-632-01-670799	56	400
40	2.0	0.6	0.7	10	214-XX-640-01-670800	NOT AVAILABLE		

For Electrical,  
Mechanical & Environmental  
Data, See pg. 4

XX=Plating Code  
See Below

For RoHS compliance  
select ◇ plating code.

RoHS  
2002/95/EC

SPECIFY PLATING CODE XX=					<b>99</b>		<b>44</b> ◇
Sleeve (Pin)					200μ" Sn/Pb		200μ" Sn
Contact (Clip)					200μ" Sn/Pb		200μ" Sn