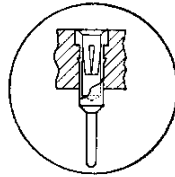


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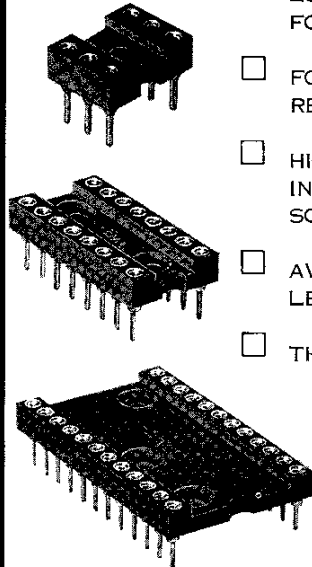
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# LOW PROFILE DIP SOCKETS / 10000 SERIES



## 6 TO 40 PINS

SOLDERTAIL -01 TERMINAL STYLE			
PART NO.	NO. OF PINS	CONTACT PLATING	TERMINAL PLATING
10306-01-446	6	GOLD	GOLD
10306-01-445		GOLD	TIN
10308-01-446	8	GOLD	GOLD
10308-01-445		GOLD	TIN
10310-01-446	10	GOLD	GOLD
10310-01-445		GOLD	TIN
10314-01-446	14	GOLD	GOLD
10314-01-445		GOLD	TIN
10316-01-446	16	GOLD	GOLD
10316-01-445		GOLD	TIN
10416-01-446	16	GOLD	GOLD
10416-01-445		GOLD	TIN
10318-01-446	18	GOLD	GOLD
10318-01-445		GOLD	TIN
10320-01-446	20	GOLD	GOLD
10320-01-445		GOLD	TIN
10422-01-446	22	GOLD	GOLD
10422-01-445		GOLD	TIN
10424-01-446	24	GOLD	GOLD
10424-01-445		GOLD	TIN
10624-01-446	24	GOLD	GOLD
10624-01-445		GOLD	TIN
10628-01-446	28	GOLD	GOLD
10628-01-445		GOLD	TIN
10630-01-446	30	GOLD	GOLD
10630-01-445		GOLD	TIN
10632-01-446	32	GOLD	GOLD
10632-01-445		GOLD	TIN
10636-01-446	36	GOLD	GOLD
10636-01-445		GOLD	TIN
10640-01-446	40	GOLD	GOLD
10640-01-445		GOLD	TIN

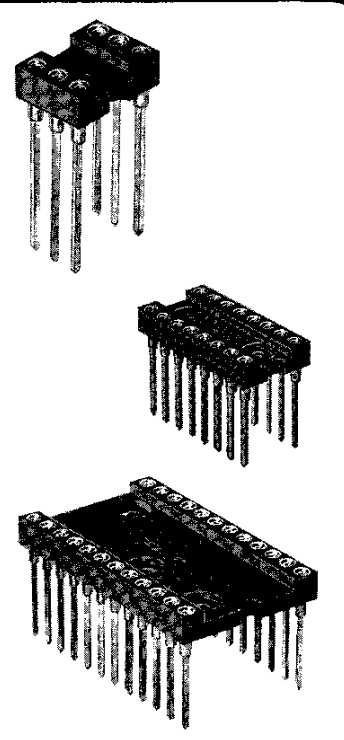


- LOW PROFILE DUAL-IN-LINE SOCKETS FOR MAXIMUM PACKAGING DENSITY.
- FOUR FINGER CONTACT FOR HIGH RELIABILITY. ACCEPTS ALL I.C. LEADS
- HI-TEMP GLASS FILLED POLYESTER INSULATION WILL NOT TWIST, BEND OR SOFTEN DURING INSTALLATION TO P.C.B.
- AVAILABLE IN SOLDERTAIL AND 2 OR 3 LEVELS OF WIRE WRAP.
- THE STANDARD TERMINALS ARE:  
SOLDERTAIL (-01), 2 LEVEL WIRE WRAP (-02) AND 3 LEVEL WIRE WRAP (-03),  
OPTIONAL SOLDERTAIL (-08, -09 & -10) ARE ALSO AVAILABLE.

### NEW

10642-01-446	42	GOLD	GOLD
10642-01-445		GOLD	TIN

2 LEVEL WIRE WRAP -02 TERMINAL STYLE			
PART NO.	NO. OF PINS	CONTACT PLATING	TERMINAL PLATING
10306-02-446	6	GOLD	GOLD
10306-02-445		GOLD	TIN
10308-02-446	8	GOLD	GOLD
10308-02-445		GOLD	TIN
10310-02-446	10	GOLD	GOLD
10310-02-445		GOLD	TIN
10314-02-446	14	GOLD	GOLD
10314-02-445		GOLD	TIN
10316-02-446	16	GOLD	GOLD
10316-02-445		GOLD	TIN
10416-02-446	16	GOLD	GOLD
10416-02-445		GOLD	TIN
10318-02-446	18	GOLD	GOLD
10318-02-445		GOLD	TIN
10320-02-446	20	GOLD	GOLD
10320-02-445		GOLD	TIN
10422-02-446	22	GOLD	GOLD
10422-02-445		GOLD	TIN
10424-02-446	24	GOLD	GOLD
10424-02-445		GOLD	TIN
10624-02-446	24	GOLD	GOLD
10624-02-445		GOLD	TIN
10628-02-446	28	GOLD	GOLD
10628-02-445		GOLD	TIN
10630-02-446	30	GOLD	GOLD
10630-02-445		GOLD	TIN
10632-02-446	32	GOLD	GOLD
10632-02-445		GOLD	TIN
10636-02-446	36	GOLD	GOLD
10636-02-445		GOLD	TIN
10640-02-446	40	GOLD	GOLD
10640-02-445		GOLD	TIN

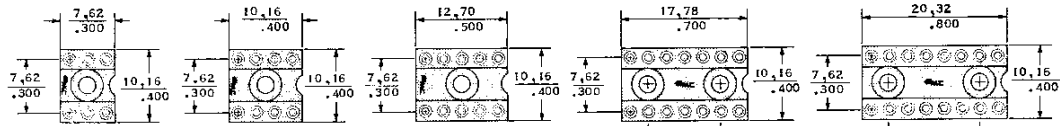


3 LEVEL WIRE WRAP -03 TERMINAL STYLE			
PART NO.	NO. OF PINS	CONTACT PLATING	TERMINAL PLATING
10306-03-446	6	GOLD	GOLD
10306-03-445		GOLD	TIN
10308-03-446	8	GOLD	GOLD
10308-03-445		GOLD	TIN
10310-03-446	10	GOLD	GOLD
10310-03-445		GOLD	TIN
10314-03-446	14	GOLD	GOLD
10314-03-445		GOLD	TIN
10316-03-446	16	GOLD	GOLD
10316-03-445		GOLD	TIN
10416-03-446	16	GOLD	GOLD
10416-03-445		GOLD	TIN
10318-03-446	18	GOLD	GOLD
10318-03-445		GOLD	TIN
10320-03-446	20	GOLD	GOLD
10320-03-445		GOLD	TIN
10422-03-446	22	GOLD	GOLD
10422-03-445		GOLD	TIN
10424-03-446	24	GOLD	GOLD
10424-03-445		GOLD	TIN
10624-03-446	24	GOLD	GOLD
10624-03-445		GOLD	TIN
10628-03-446	28	GOLD	GOLD
10628-03-445		GOLD	TIN
10630-03-446	30	GOLD	GOLD
10630-03-445		GOLD	TIN
10632-03-446	32	GOLD	GOLD
10632-03-445		GOLD	TIN
10636-03-446	36	GOLD	GOLD
10636-03-445		GOLD	TIN
10640-03-446	40	GOLD	GOLD
10640-03-445		GOLD	TIN

SEE INSIDE FRONT COVER FOR ORDERING INFORMATION AND SPECIFICATIONS.



ELECTRONIC MOLDING CORPORATION



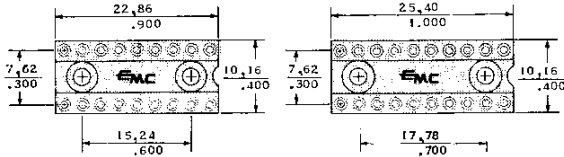
**10306-XX**  
( 6 PIN )

**10308-XX**  
( 8 PIN )

**10310-XX**  
( 10 PIN )

**10314-XX**  
( 14 PIN )

**10316-XX**  
( 16 PIN )

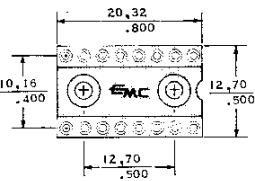


**10318-XX**  
( 18 PIN )

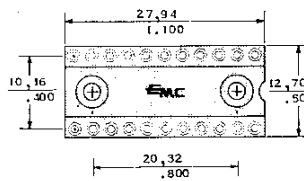
**10320-XX**  
( 20 PIN )

ALL TERMINALS IN-LINE  
.100 SPACING TYPICAL.

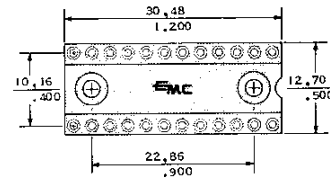
ALL WIDTH DIMENSIONS  
ARE MAXIMUM.



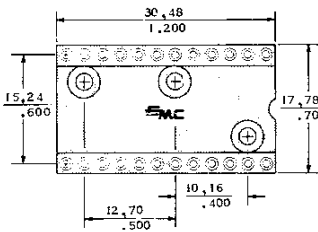
**10416-XX**  
( 16 PIN )



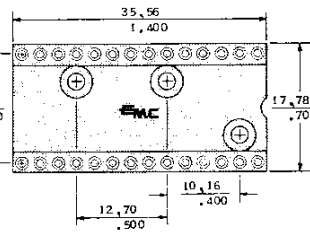
**10422-XX**  
( 22 PIN )



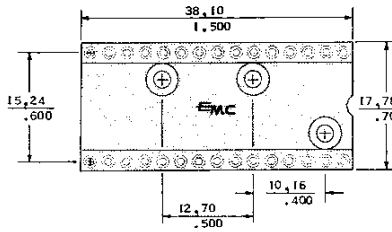
**10424-XX**  
( 24 PIN )



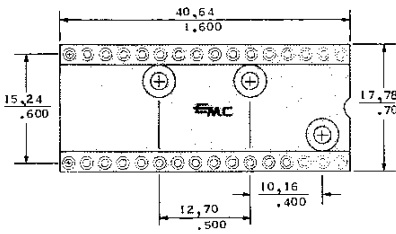
**10624-XX**  
( 24 PIN )



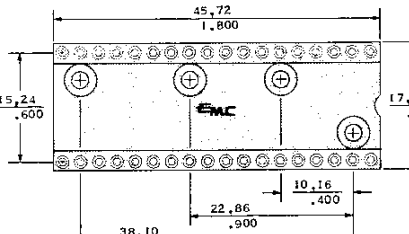
**10628-XX**  
( 28 PIN )



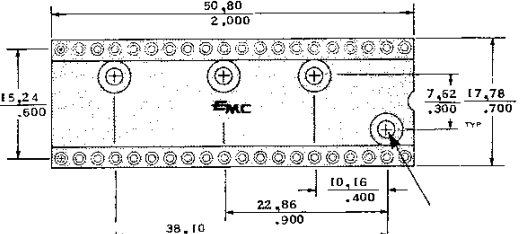
**10630-XX**  
( 30 PIN )



**10632-XX**  
( 32 PIN )



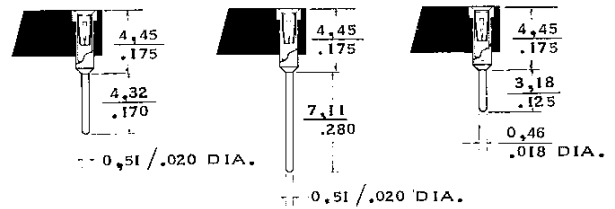
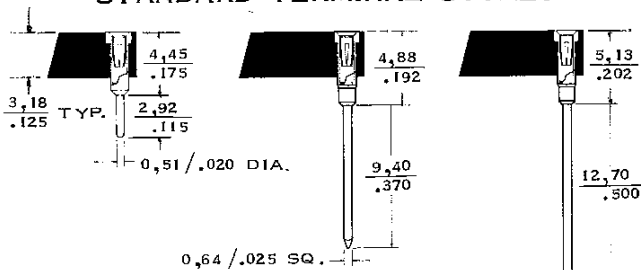
**10636-XX**  
( 36 PIN )



**10640-XX**  
( 40 PIN )

**STANDARD TERMINAL STYLES**

**OPTIONAL TERMINAL STYLES**



**-01**

**-02**

**-03**

**-08**

**-09**

**-10**

SOLDERTAIL

2 LEVEL W/W

3 LEVEL W/W

SOLDERTAIL

SOLDERTAIL

SOLDERTAIL

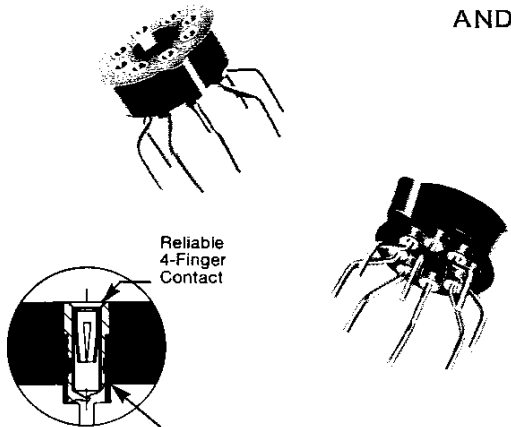
**ELECTRONIC MOLDING CORPORATION**



# LO-PAC TO-5 AND TO-18 SOCKETS

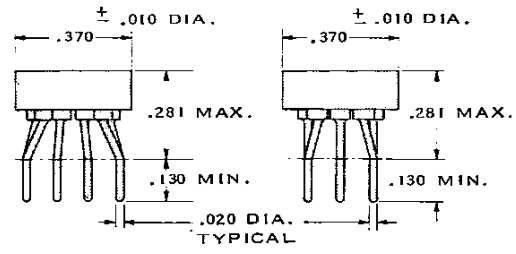
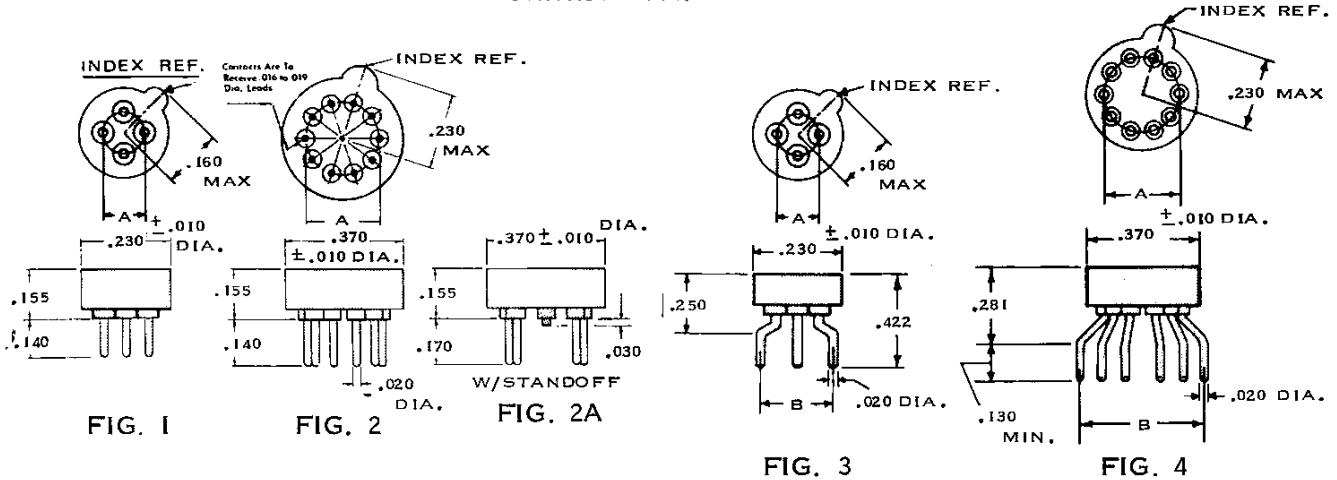
TRANSISTOR, IC AND OP AMP SOCKETS IN STRAIGHT AND BENT LEAD VERSIONS.

- ECONOMICALLY PRICED FOR LOWEST OVERALL PACKAGING COST
- EASY LEAD-IN NO LEAD HANG UP
- LOW PROFILE ALLOWS MAXIMUM PACKAGING DENSITY
- RIGID SOLDER TERMINAL IS MOLDED IN, WILL NOT BEND WHEN INSTALLING INTO P C BOARD
- HIGH TEMPERATURE PHENOLIC WILL NOT SOFTEN DURING SOLDERING OPERATION, OPERATING TEMPERATURE -50° TO +400° F



### NO SOLDER WICKING

CLOSED END TERMINAL WILL NOT ALLOW SOLDER TO FLOW OR WICK UP INTO CONTACT AREA.



PART NO.	FIG. NO.	NO. OF PINS	A DEVICE LEAD CIRCLE DIA.	B TERMINAL CIRCLE DIA.	DESCRIPTION	
7017-362-5	1	3	.100	.100	STRAIGHT LEAD TERMINAL	
7019-362-5	1	4	.100	.100		
7003-362-5	2	3	.200	.200		
7004-362-5	2	4	.200	.200		
7006-362-5	2	6	.200	.200		
7008-362-5	2	8	.200	.200		
7009-362-5	2	8	.230	.230		
7070-362-5	2A	8	.230	.230		
7010-362-5	2	10	.230	.230		
7012-362-5	2	12	.275	.275		
7073-362-5	3	3	.100	.200	BENT LEAD IN CIRCULAR PATTERN FOR EXPANDED CIRCUITRY	
7074-362-5	3	4	.100	.200		
7075-362-5	3	3	.100	.150		
7076-362-5	3	4	.100	.150		
7058-362-5	4	8	.200	.400		
7059-362-5	4	8	.230	.400		
7064-362-5	4	10	.230	.400		
7069-362-5	4	12	.275	.400		
7061-362-5	5	10	.230	.400		BENT LEAD GRID PATTERN
7068-362-5	6	8	.200	.400		

CODE 362-5	TERMINAL BRASS - TIN PLATING CONTACT BE CU - GOLD PLATING INSULATION PHENOLIC, GREEN	CODE 265-5	TERMINAL BRASS - GOLD PLATING CONTACT BE CU - GOLD PLATING INSULATION PHENOLIC, GREEN
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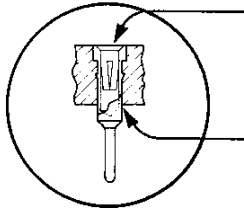
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EMC date 1980

www.33Audio.com

**DESIGN CONSIDERATIONS**

TERMINAL FUNNEL ENTRY SCREW MACHINE DESIGN FOR EASE OF I.C. LEAD INSERTION. THE CLOSED-END BARREL IS DESIGNED TO PREVENT SOLDER WICKING UP INTO CONTACT AREA.

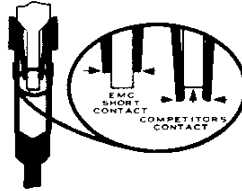


FUNNEL ENTRY FEATURE TO FACILITATE LOADING OF INTEGRATED CIRCUITS BY AUTOMATIC EQUIPMENT.

**NO SOLDER WICKING**  
CLOSED END TERMINAL WILL NOT ALLOW SOLDER TO FLOW OR WICK UP INTO CONTACT AREA.

**SHORT CONTACT**

A B<sub>2</sub> C<sub>0</sub> STAMPED & FORMED BURR-FREE FOUR FINGERED CONTACT, .085" LONG TO ACCOMMODATE SHORT I.C. LEADS.



**SOCKET BODY**

GLASS REINFORCED POLYESTER MATERIAL TO 94-VO RATING. STANDARD COLOR - GREEN.

**COMBINATION**

THE COMBINATION OF SCREW MACHINE TERMINAL, EITHER WITH SOLDER TAIL OR 2/3 LEVEL WIRE - WRAP TERMINALS, MINIMIZES TOLERANCE BUILD-UP AND ALLOWS FOR AUTOMATIC I.C. AS WELL AS SOCKET INSERTION INTO PRINTED CIRCUIT BOARD.

WITH THE FOUR FINGER CONTACT MAKING A GAS TIGHT ELECTRICAL CONNECTION TO THE TERMINAL, THE INTERCONNECTION BETWEEN I.C. LEAD AND CONTACT IS CONTAINED WITHIN THE B<sub>2</sub> C<sub>0</sub> CONTACT AND BRASS TERMINAL. THE SOCKET BODY ONLY ACTS AS A CARRIER FOR THE TERMINAL ASSEMBLY AND THIS DESIGN APPROACH, WITH THE SHORT CONTACT, PROVIDES A PROVEN RANGE OF SOCKETS FOR THE HIGHEST RELIABILITY INTERCONNECTION AVAILABLE.

**SPECIFICATIONS**

**ELECTRICAL SPECIFICATIONS**

CONTACT RESISTANCE AT 5A (MIL-STD-202 METHOD 307) \_\_\_\_\_ 4.3 MILLIOHMS TYP.  
CURRENT RATING PER CONTACT \_\_\_\_\_ 1 AMPERE  
INSULATION RESISTANCE AT 500 VDC (MIL-STD-1344 METHOD 3003) \_\_\_\_\_ 5000 MEGOHMS (MIN)  
DIELECTRIC WITH STANDING VOLTAGE AT 60 Hz (MIL-STD-202 METHOD 301) \_\_\_\_\_ 1000 VOLTS (MIN)

**MECHANICAL**

INSERTION FORCE PER 14 PIN SOCKET \_\_\_\_\_ 3500 GRAM (TYP)  
WITHDRAWAL FORCE PER 14 PIN SOCKET \_\_\_\_\_ 2500 GRAM (TYP)  
BODY MATERIAL \_\_\_\_\_ GLASS FILLED POLYESTER

CONTACT MATERIAL \_\_\_\_\_ BERYLLIUM COPPER  
CONTACT FINISH (-445 & -446) \_\_\_\_\_ GOLD / NICKEL  
TERMINAL SLEEVE (-446) \_\_\_\_\_ GOLD / NICKEL  
(-445) \_\_\_\_\_ TIN / NICKEL  
(-451) \_\_\_\_\_ GOLD PLATING  
(-455) \_\_\_\_\_ TIN PLATING

CONTACT STYLE \_\_\_\_\_ FOUR FINGER STAMPED & FORMED (SHORT)  
ANTI-SOLDER WICKING AND FLUXING \_\_\_\_\_ YES

**THERMAL**

FLAMMABILITY (UL) \_\_\_\_\_ 94-VO  
OPERATING RANGE \_\_\_\_\_ -65° C TO 175° C

**SOLDERABILITY**

TESTED IN ACCORDANCE WITH (MIL-STD-202 METHOD 208) \_\_\_\_\_ EXCEEDS REQUIREMENTS

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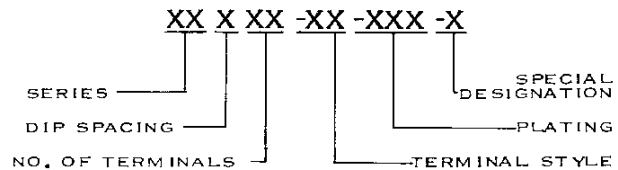
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- 2 & 3 — DIP SOCKETS
- 4 — DIP SOCKETS WITH STANDOFFS
- 5 — LSI AND PROM CARRIERS
- 6 — 20 PIN SNAP-SIP SOCKETS
- 7 — SOLID-SIP SOCKETS
- 8 — TERMINAL CARRIER ASSEMBLIES
- 9 — TO-5 AND TO-18 SOCKETS
- 10 & 11 — NON-INSULATED TERMINALS
- 12 — LED SOCKETS
- 13 — LAMP & VOLTAGE REGULATOR SOCKETS

**HOW TO ORDER**



**SERIES**

- 10-DIP SOCKETS
- 11-DIP SOCKETS WITH STANDOFFS
- 12-TERMINAL CARRIER ASSEMBLIES
- 13-LSI SOCKETS
- 14-SNAP-SIP & SNAP-ADAPT SOCKETS
- 15-SOLID-SIP & ADAPTOR STRIPS
- 16-MICROPROCESSOR & PROM CARRIERS
- 20-COMPONENT ADAPTORS

**DIP SPACING**

- 1-SINGLE-IN-LINE
- 3-.300
- 4-.400
- 6-.600
- 8-.800
- 9-.900

**NUMBER OF TERMINALS**

**TERMINAL STYLE**

- 01 - SOLDER TAIL .115 LENGTH
- 02 - 2 LEVEL WIRE WRAP
- 03 - 3 LEVEL WIRE WRAP
- 04 - STRAIGHT PIN
- 05 - SOLDER CUP
- 06 - BIFURCATED
- 07 - HOLLOW PIN
- 08 - SOLDER TAIL - .170 LENGTH
- 09 - SOLDER TAIL - .280 LENGTH
- 10 - SOLDER TAIL - .125 LENGTH

**PLATING**

- 445 - GOLD CONTACT TIN TERMINAL
- 446 - GOLD CONTACT GOLD TERMINAL
- 451 - GOLD PLATING
- 455 - TIN PLATING

**SPECIAL DESIGNATION**

THIS DIGIT WILL ONLY BE USED FOR SPECIALS. PLEASE CONSULT THE FACTORY.

**DIMENSIONS SPECIFIED IN :**  
 MILLIMETER      MILLIMETER/INCH  
 INCH  
  
 TOLERANCE: ±0.127/.005  
 UNLESS OTHERWISE SPECIFIED



**ELECTRONIC MOLDING CORPORATION**

96 MILL ST, WOONSOCKET, R. I. 02895 U.S.A. (401) 769-3800 TWX NO. 710-387-1350