

A-61-41-13

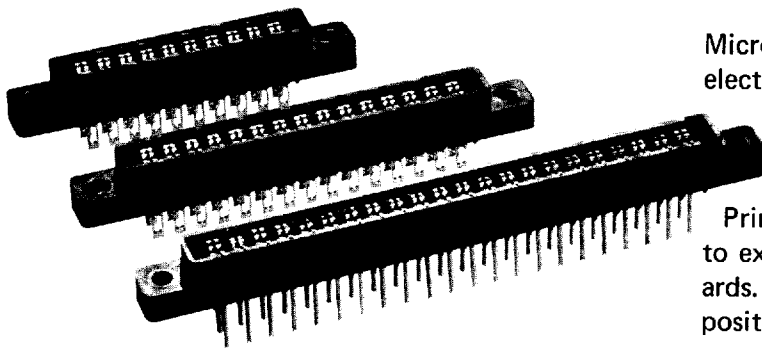
printed circuit connectors



MICRO PLASTICS, INC.
CONNECTOR DIVISION

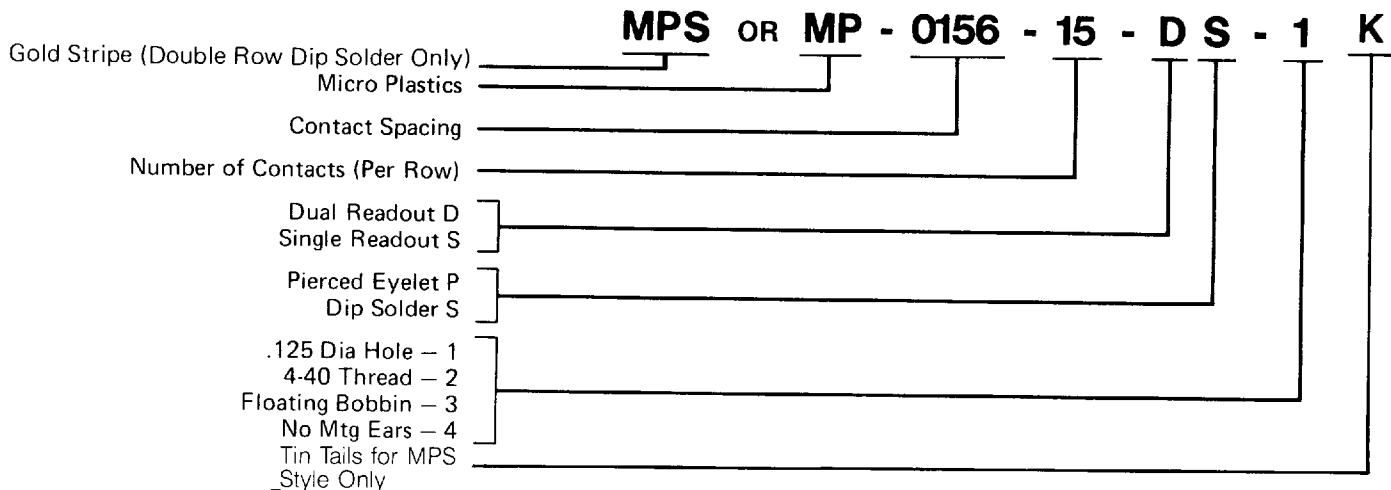
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introduction



Micro Plastics, Inc. has gained recognition in the electronics industry for volume capability in precision molded plastics products. An outgrowth of our expansion during 1972 was the introduction of this series of Printed Circuit connectors. They are produced to exacting specifications to meet industry standards. Our volume capability and our competitive position should be advantageous to the end-user.

part number description



general characteristics

MATERIALS & FINISHES

- Insulator: Glass filled polyester thermoplastic (G.E. Valox [or equivalent] Color, blue U.L. approval SEO, Bulletin 94 and Class I, Bulletin 492.
- Contacts: Phosphor bronze, Grade A
NOTE: Contacts Finish: (MP version) .000010" Gold per MIL-G-45204 over nickel. (MPS version) CA 725 copper alloy base with .000010" to .000015 gold stripe on bellows face only. Tail unplated.
- Hardware: Nickel plated brass
- Polarizing Keys: Glass filled Nylon. Color, white
- Also available in black or green upon request

PERFORMANCE (PER MIL-C-21097C)

- Test Voltage: 1800VAC RMS 60 Hz (Sea level)
- Insulation Resistance: 5000 megohms min. at 500VDC
- Contact Current Rating: 5 amps
- Contact Resistance: Will not exceed 30 millivolts at 5 amps
- Temperature (Operating): -85°F to +350°F
- Accommodates Board Thickness: .054 to .071

CONTACT TERMINATION

- Dip Solder: Tails will fit .051 min. dia holes on .145 row spacing. Board thickness to 1/8" with .03 tail extension (Also available with .200 row spacing).
- Pierced Eyelet: Accommodates 3 No. 22 AWG wires
- Contacts meet solderability requirements of MIL-STD-202, Method 108

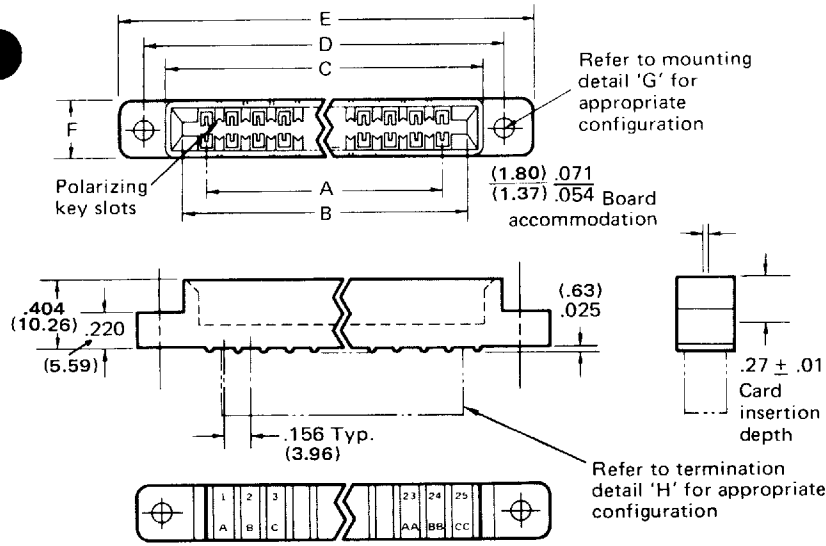
RECOMMENDED DEGREASING SOLVENTS

- Perchloroethylene
- Freon 11
- Freon 113
- Trichloroethylene

NOTE: Various plating and thickness available. Also available in black or green G.E. Valox material or Ryton R-4 material upon request.

U.L. APPROVED E78000 (S)

dimensions

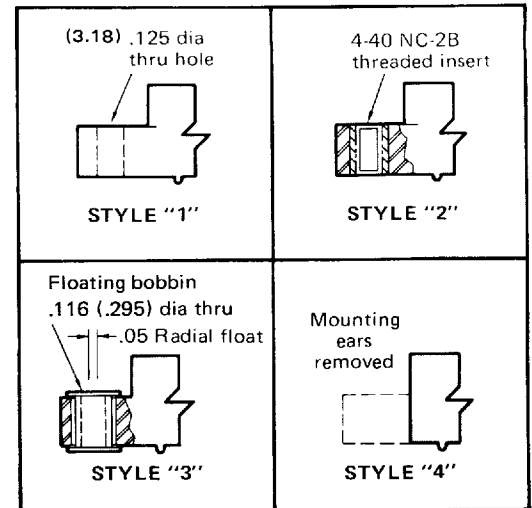


Note: 36/72 & 43/86 contact identification
Letters A, B, C, ... ABC ... R
Numbers 1, 2, 3 36

Note: Omit letters G, I, O, Q.

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mounting styles detail "G"



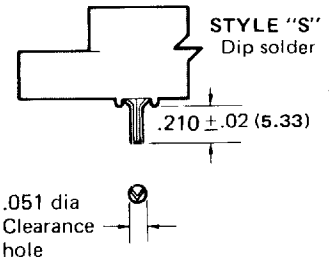
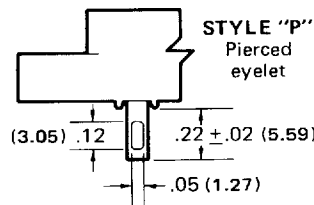
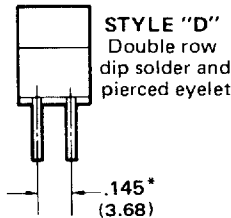
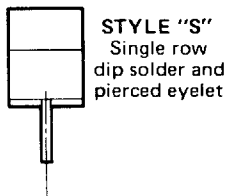
polarizing key

Between contact
Polarizing key
ordered separately
P/N 04-0001-000



In contact position
Polarizing key
ordered separately
P/N 04-0002-000

contact termination styles detail "H"



part numbers/dimensions

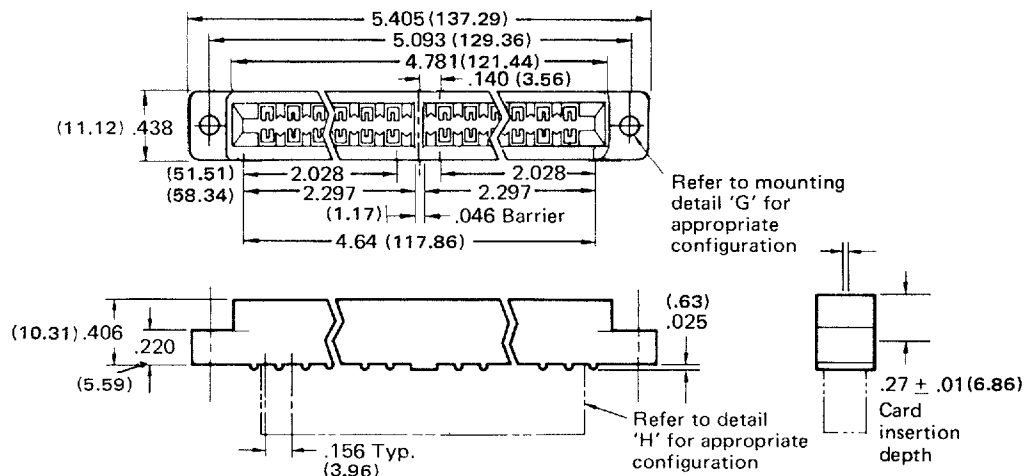
PART NUMBER	NO. OF CONT.	INCHES						MILLIMETERS					
		± .010	± .010	± .015	± .010	± .020	± .006	± 0.25	± 0.25	± 0.38	± 0.25	± 0.51	± 0.38
MP-0156-02-***	2/4	.156	.456	.596	—	—	.320	3.96	11.58	15.14	—	—	8.13
MP-0156-03-***	3/6	.312	.612	.752	—	—	.320	7.93	15.55	19.10	—	—	8.13
MP-0156-06-***	6/12	.780	1.080	1.220	1.533	1.860	.320	19.81	27.43	30.99	38.94	47.24	8.13
MP-0156-08-***	8/16	1.092	1.392	1.532	1.845	2.172	.320	27.74	35.36	38.91	46.86	55.17	8.13
MP-0156-10-***	10/20	1.404	1.704	1.844	2.157	2.484	.320	35.66	43.28	46.84	54.79	63.09	8.13
MP-0156-11-***	11/22	1.560	1.860	2.000	2.313	2.640	.320	39.62	47.24	50.80	58.75	67.06	8.13
MP-0156-12-***	12/24	1.716	2.016	2.156	2.469	2.796	.320	43.59	51.21	54.76	62.71	71.02	8.13
MP-0156-15-***	15/30	2.184	2.484	2.624	2.937	3.264	.320	55.47	63.09	66.65	74.60	82.91	8.13
MP-0156-18-***	18/36	2.652	2.952	3.092	3.405	3.732	.320	67.36	74.98	78.54	86.49	94.79	8.13
MP-0156-22-***	22/44	3.276	3.576	3.716	4.029	4.356	.320	83.21	90.83	94.39	102.34	110.64	8.13
MP-0156-24-***	24/48	3.588	3.888	4.028	4.341	4.668	.320	91.14	98.76	102.31	110.26	118.57	8.13
MP-0156-25-***	25/50	3.744	4.044	4.184	4.497	4.824	.320	95.10	102.72	106.27	114.22	122.53	8.13
MP-0156-28-***	28/56	4.212	4.512	4.652	4.965	5.276	.438	106.99	114.61	118.16	126.11	134.01	11.13
MP-0156-30-***	30/60	4.524	4.824	4.964	5.277	5.588	.500	114.91	122.53	126.09	134.04	141.94	12.70
MP-0156-36-***	36/72	5.460	5.762	5.906	6.219	6.540	.438	138.68	146.36	150.01	157.96	166.12	11.13
MP-0156-43-***	43/86	6.552	6.854	7.000	7.302	7.615	.500	166.42	174.09	177.80	185.47	193.42	12.70

NOTE: Add contact style and mounting style to part number
*-.200 (5.08) between row spacing available in dip solder only (mod 'E9')
**-.020 (0.51) longer card slot also available (mod 'E')

28/56 center barrier

Part No. MP-0156-28-***

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Note: Omit letters G, I, O, Q.

polarizing key



Between contact
Polarizing key
ordered separately
P/N 04-0001-000



In contact position
Polarizing key
ordered separately
P/N 04-0002-000

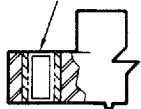
mounting styles detail "G"

(3.18) .125 dia thru hole



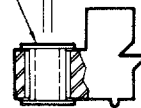
STYLE "1"

4-40 NC-2B threaded insert



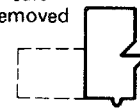
STYLE "2"

Floating bobbin
.116 (.295) dia thru
-.05 Radial float



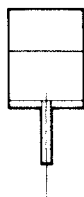
STYLE "3"

Mounting ears removed

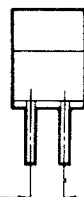


STYLE "4"

contact termination styles detail "H"

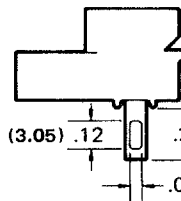


STYLE "S"
Single row
dip solder and
pierced eyelet



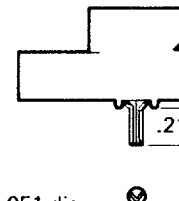
STYLE "D"
Double row
dip solder and
pierced eyelet

.145*
(3.68)



STYLE "P"
Pierced
eyelet

(3.05) .12 .22 ± .02 (5.59)
.05 (1.27)



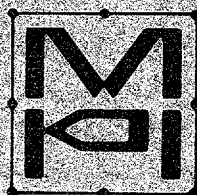
STYLE "S"
Dip solder

.210 ± .02 (5.33)

.051 dia
Clearance
hole

*-.200 (5.08) between row spacing available in dip solder only (mod 'E9')

represented by:



MICRO PLASTICS, INC.

CONNECTOR DIVISION