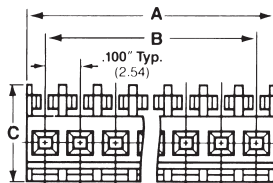
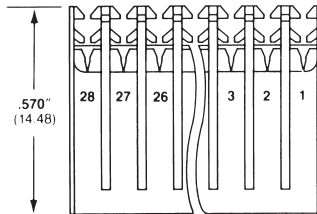
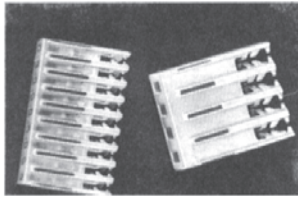


Mas-Con Connectors



END CONNECTOR:
C = .27

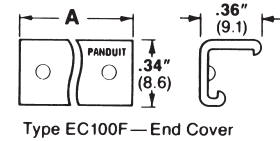
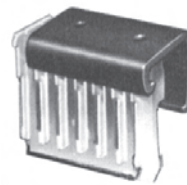
ITW PANCON MAS-CON® MASS TERMINATED CONNECTOR SYSTEMS .100" (2.54 MM) CENTERLINE CONNECTORS

End connectors; 2 through 28 circuits. Molded of 6/6 nylon (U.L. 94V-2); natural color with AWG color coding on ribs. Contact Material: copper alloy with tin over nickel plating. **Voltage rating:** 300 VAC/VDC max. Rated current: 22 AWG-4.0 amps; 24/26 AWG-3.5 amps; 28 AWG-3.0 amps. **Temperature Rating:** -55° to 105°C. **Recommended Wire:** U.L. styles PVC 1061, 1095, MIL-W-16878, and 1007 (except 22 AWG with .100" cl>). Teflon (-.010" insul.) Type G, MIL-W-16878E/48; Type E, MIL-W-16878E; Type ET, MIL-W-16878E/6; Type KT, MIL-W-16878; Type K, MIL-W-16878. Outside diameter range: .030" to .055" max.

.100" CENTERLINE END CONNECTORS

Cat. No.	No. Circuits	Dimensions Inches		Net Price Each			
		A	B	1-999	1000-2499	2500-4999	5000-Up
CE100F22-2-D	2	.200	.100	.31	.16	.11	.07
CE100F22-3-D	3	.300	.200	.43	.22	.15	.10
CE100F22-4-D	4	.400	.300	.62	.31	.21	.14
CE100F22-5-D	5	.500	.400	.77	.39	.27	.18
CE100F22-6-C	6	.600	.500	.81	.41	.28	.19
CE100F22-7-C	7	.700	.600	.96	.49	.33	.23
CE100F22-8-C	8	.800	.700	1.09	.56	.38	.26
CE100F22-9-C	9	.900	.800	1.23	.62	.42	.29
CE100F22-10-C	10	1.000	.900	1.36	.70	.47	.32
CE100F22-11-C	11	1.100	1.000	.89	.89	.89	.49
CE100F22-12-C	12	1.200	1.100	1.70	.86	.58	.40
CE100F22-13-C	13	1.300	1.200	1.84	.94	.63	.44
CE100F22-14-C	14	1.400	1.300	1.98	1.01	.68	.47
CE100F22-15-C	15	1.500	1.400	2.42	1.23	.84	.57
CE100F22-16-C	16	1.600	1.500	2.58	1.32	.89	.61
CE100F22-17-C	17	1.700	1.600	1.58	1.58	1.58	.86
CE100F22-18-C	18	1.800	1.700	2.22	2.22	1.11	.82

NOTE: Up to 28 circuits available.



Type EC100F — End Cover

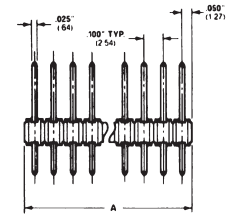
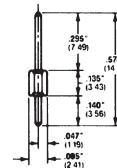
CONNECTOR COVERS PROTECT CONTACTS

.100" (2.54 MM)
CONNECTOR COVERS

.100" CENTERLINE END CONNECTOR COVERS

Cat. No.	No. Circuits	Dimensions Inches		Net Price Each			
		A	B	1-999	1000-2499	2500-4999	5000-Up
EC100F-2-D	2	.200	.100	.11	.11	.06	.04
EC100F-3-D	3	.300	.200	.18	.10	.08	.05
EC100F-4-D	4	.400	.300	.22	.13	.10	.06
EC100F-5-D	5	.500	.400	.22	.22	.13	.09
EC100F-6-C	6	.600	.500	.29	.17	.13	.08
EC100F-7-C	7	.700	.600	.28	.28	.17	.11
EC100F-8-C	8	.800	.700	.36	.21	.16	.10
EC100F-9-C	9	.900	.800	.34	.34	.20	.13
EC100F-10-C	10	1.000	.900	.43	.24	.19	.12
EC100F-11-C	11	1.100	1.000	.35	.35	.35	.17
EC100F-12-C	12	1.200	1.100	.43	.43	.25	.17
EC100F-13-C	13	1.300	1.200	.40	.40	.40	.20
EC100F-14-C	14	1.400	1.300	.49	.49	.28	.19
EC100F-15-C	15	1.500	1.400	.45	.45	.45	.22
EC100F-16-C	16	1.600	1.500	.50	.50	.50	.24
EC100F-17-C	17	1.700	1.600	.51	.51	.51	.25
EC100F-18-C	18	1.800	1.700	.52	.52	.52	.26

NOTE: Up to 28 circuits available.



FLAT HEADER STRAIGHT POST

MAS-CON® .100" MOLDED WAFER HEADERS

MAS-CON molded wafer headers offer straight or right angle posts in flat, locking or polarizing versions, with locking and polarizing headers featuring added polarization protection with wafer wall and length of post designed to prevent contact mating. The prescored wafers come in stock sizes for production runs and permit breaking of the header to any length for prototype or short production runs. These tin plated contact headers are industry interchangeable.

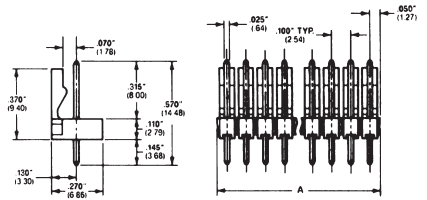
.100" MOLDED WAFER HEADERS FLAT HEADER, STRAIGHT POST—.025" SQUARE

Cat. No.	No. Circuits	Dim. A Inches	Net Price Each			
			1-999	1000-2499	2500-4999	5000-Up
MFSS100-2-D	2	.200	.27	.15	.12	.07
MFSS100-3-D	3	.300	.36	.20	.16	.10
MFSS100-4-D	4	.400	.41	.23	.18	.11
MFSS100-5-D	5	.500	.44	.44	.26	.17
MFSS100-6-C	6	.600	.49	.49	.29	.19
MFSS100-7-C	7	.700	.51	.51	.51	.25
MFSS100-8-C	8	.800	.66	.66	.38	.26
MFSS100-9-C	9	.900	.65	.65	.65	.32
MFSS100-10-C	10	1.000	.82	.82	.48	.32
MFSS100-11-C	11	1.100	.90	.90	.53	.35
MFSS100-12-C	12	1.200	.98	.98	.58	.38
MFSS100-13-C	13	1.300	.94	.94	.94	.46
MFSS100-14-C	14	1.400	1.15	1.15	.68	.45
MFSS100-15-C	15	1.500	1.15	1.15	1.15	.56
MFSS100-16-C	16	1.600	1.39	1.39	.82	.54
MFSS100-17-C	17	1.700	1.31	1.31	1.31	.64
MFSS100-18-C	18	1.800	1.38	1.38	1.38	.68

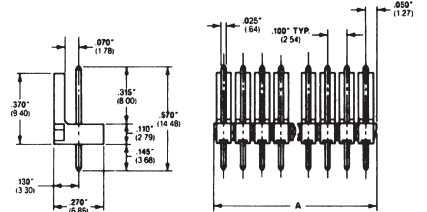
THROUGH TO

MFSS100-36-C	36	3.600	3.23	1.83	1.45	.89
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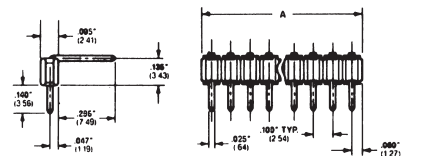
NOTE: 19 to 36 circuits available.



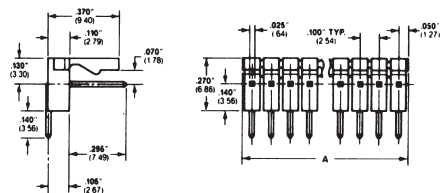
LOCKING HEADER STRAIGHT POST



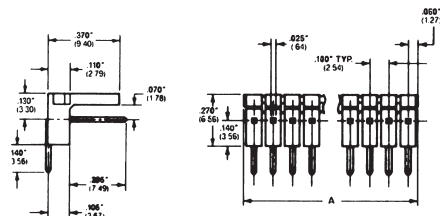
POLARIZING HEADER STRAIGHT POST



FLAT HEADER RIGHT ANGLE POST

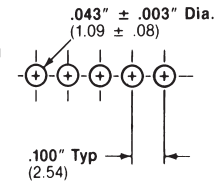


LOCKING HEADER RIGHT ANGLE POST



POLARIZING HEADER RIGHT ANGLE POST

Recommended mounting
hole size and layout
for 1/16" (1.57 mm)
thick P.C. board



CERTIFIED
U.L. RECOGNIZED
E73711

ITW PANCON MAS-CON® .100" MOLDED WAFER HEADERS

- Prescored wafer permits breaking header to any length for prototype or short production runs.
- Wafer material: Thermoplastic (U.L. 94V-O).
- Industry intermateable.
- Standard Plating: Tin.

.100" MOLDED WAFER HEADERS

Cat. No.	No. Circuits	Dim. A Inches	Net Price Each			
			1-999	1000-2499	2500-4999	5000-Up
LOCKING HEADER, STRAIGHT POST—.025" SQUARE						
MLSS100-2-D	2	.200	\$26	\$15	\$12	\$07
MLSS100-3-D	3	.300	.35	.20	.16	.10
MLSS100-4-D	4	.400	.49	.28	.22	.13
MLSS100-5-D	5	.500	.60	.34	.27	.17
MLSS100-6-C	6	.600	.67	.38	.30	.18
MLSS100-7-C	7	.700	.81	.46	.36	.22
MLSS100-8-C	8	.800	.88	.50	.39	.24
MLSS100-9-C	9	.900	.94	.53	.43	.26
MLSS100-10-C	10	1.000	1.08	.61	.49	.30
MLSS100-11-C	11	1.100	1.00	1.00	.59	.39
MLSS100-12-C	12	1.200	1.27	.72	.57	.35
MLSS100-13-C	13	1.300	1.19	1.19	.70	.46
MLSS100-14-C	14	1.400	1.29	1.29	.76	.50
MLSS100-15-C	15	1.500	1.59	1.59	.94	.62
MLSS100-16-C	16	1.600	1.97	1.12	.89	.54

POLARIZING HEADER, STRAIGHT POST—.025" SQUARE

MPSS100-2-D	2	.200	.25	.25	.14	.10
MPSS100-3-D	3	.300	.28	.28	.28	.14
MPSS100-4-D	4	.400	.54	.30	.24	.15
MPSS100-5-D	5	.500	.56	.56	.33	.22
MPSS100-6-C	6	.600	.62	.62	.37	.24
MPSS100-7-C	7	.700	.66	.66	.66	.32
MPSS100-8-C	8	.800	.82	.82	.48	.32
MPSS100-9-C	9	.900	.78	.78	.78	.38
MPSS100-10-C	10	1.000	1.18	.67	.53	.32
MPSS100-11-C	11	1.100	.97	.97	.97	.47
MPSS100-12-C	12	1.200	1.40	.79	.63	.38
MPSS100-13-C	13	1.300	1.15	1.15	1.15	.56
MPSS100-14-C	14	1.400	1.40	1.40	.82	.54

FLAT HEADER, RIGHT ANGLE POST—.025" SQUARE

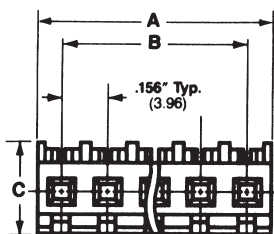
MFA100-2-D	2	.200	.22	.22	.22	.11
MFA100-3-D	3	.300	.33	.33	.19	.13
MFA100-4-D	4	.400	.33	.33	.33	.16
MFA100-5-D	5	.500	.41	.41	.41	.20
MFA100-6-C	6	.600	.49	.49	.49	.24
MFA100-7-C	7	.700	.65	.65	.38	.25
MFA100-8-C	8	.800	.66	.66	.66	.32
MFA100-9-C	9	.900	.74	.74	.74	.36
MFA100-10-C	10	1.000	.93	.93	.55	.36
MFA100-11-C	11	1.100	1.02	1.02	.60	.40
MFA100-12-C	12	1.200	.99	.99	.99	.48
MFA100-13-C	13	1.300	1.08	1.08	1.08	.54
MFA100-14-C	14	1.400	1.15	1.15	1.15	.56

LOCKING HEADER, RIGHT ANGLE POST—.025" SQUARE

MLAS100-2-D	2	.200	.29	.29	.17	.11
MLAS100-3-D	3	.300	.46	.26	.21	.12
MLAS100-4-D	4	.400	.70	.40	.32	.19
MLAS100-5-D	5	.500	.93	.53	.42	.26
MLAS100-6-C	6	.600	1.04	.59	.47	.29
MLAS100-7-C	7	.700	.94	.94	.94	.46
MLAS100-8-C	8	.800	1.34	.76	.60	.37
MLAS100-9-C	9	.900	1.18	1.18	.69	.45
MLAS100-10-C	10	1.000	1.52	.86	.69	.42
MLAS100-11-C	11	1.100	1.23	1.23	1.23	.60
MLAS100-12-C	12	1.200	1.31	1.31	1.31	.64
MLAS100-13-C	13	1.300	1.38	1.38	1.38	.68
MLAS100-14-C	14	1.400	1.45	1.45	1.45	.71

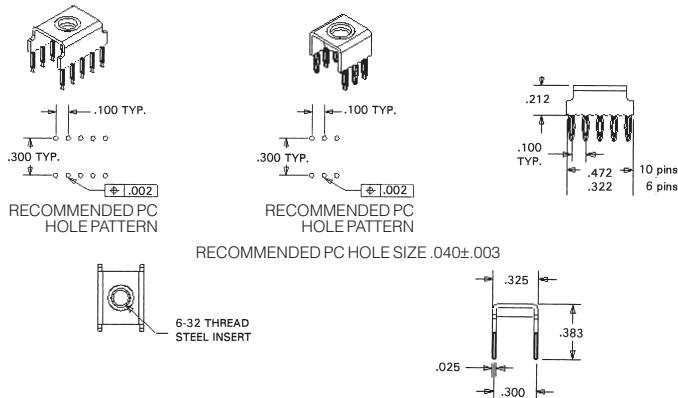
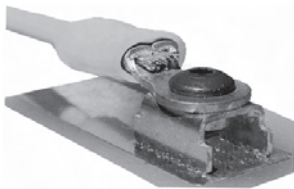
POLARIZING HEADER, RIGHT ANGLE POST—.025" SQUARE

MPAS100-2-D	2	.200	.37	.37	.37	.18
MPAS100-3-D	3	.300	.51	.51	.51	.25
MPAS100-4-D	4	.400	.87	.87	.51	.34
MPAS100-5-D	5	.500	1.02	1.02	1.02	.50
MPAS100-6-C	6	.600	1.13	1.13	1.13	.55
MPAS100-7-C	7	.700	1.51	1.51	.89	.59
MPAS100-8-C	8	.800	1.48	1.48	1.48	.73
MPAS100-9-C	9	.900	1.53	1.53	1.53	.75
MPAS100-10-C	10	1.000	1.69	1.69	1.69	.83
MPAS100-11-C	11	1.100	1.74	1.74	1.74	.85
MPAS100-12-C	12	1.200	2.10	2.10	1.23	.82
MPAS100-13-C	13	1.300	1.98	1.98	1.98	.97



electro sonic





ITW PANCON POWER TAP CONNECTOR

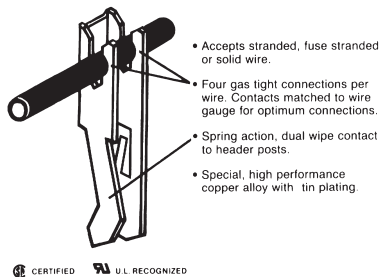
FEATURES: Designed to bring power to printed circuit boards. Allows wire board connection using common ring or fork terminals. Threaded stainless steel insert staked in place. 6 or 10 press fit pins. Maximum current carrying capacity: -40 amps at 600 volts (10 pins), -24 amps at 600 volts (6 pins). No special tool required for insertion into PC board. For printed circuit boards 3/32 and thicker.

MATERIALS: Contact: Phos. Bronze. Insert: Stainless steel. Plating: 100/150 microinches tin over 50 microinches nickel.

ELECTRICAL: Current carrying capacity (determined by PCB and wire termination) 40 amps max. @ 20°C. Rated current circuit resistance = <10 milliohms.

MECHANICAL: Maximum PCB insertion force: -400 lbs. (10 pins), -240 lbs (6 pin). Minimum PCB retention force: -80 lbs (10 pins), -48 lbs (6 pins). Minimum threaded insert torque—out: 19 inch pounds.

Cat. No.	No. of Circuits	Threaded Insert	Net Price
PPT-632	10	6-32	\$1.88
PPT-632-6	6	6-32	1.88
PPT-M4	10	M4	1.88
PPT-M4-6	6	M4	1.88



UL CERTIFIED U.L. RECOGNIZED

PRE-LOADED INSULATION DISPLACEMENT CONTACTS ELIMINATE WIRE STRIPPING, CONTACT CRIMPING AND HAND LOADING OF CONTACTS INTO HOUSINGS.

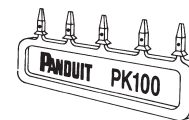
MAS-CON™ MASS TERMINATED .100" AND .156" CONNECTOR SYSTEMS

Fast, reliable IDC termination of flat cable, discrete wire or pre-split ribbon cable. End connectors feature four gas-tight contacts per wire and dual wipe contact design. MAS-CON connectors accommodate:

.100" (2.54 mm)-2 through 28 conductors

.156" (3.96 mm)-2 through 24 conductors

Housings are colour coded to indicate wire gauge. (Match PAN-FLEX™ flat cable color code.) PCB header assemblies are available in flat, straight or angle posts. Versatile, economical manual tools use interchangeable unit die sets for all cable termination functions.



INSERT KEY
INTO CONNECTOR
AND SNAP OFF STRIP.

ACCESSORIES POLARIZING KEYS

Used to assure correct orientation between connector and header. Key can be inserted without removing contact. Carrier strip facilitates handling. Five keys per strip. Material: Nylon. Color: Natural. Standard Package: 100 keys (20 strips).

Cat. No.	Description	Net Price
PK100-D	Polarizing key for .100" centerline connectors	\$.13
PK156-D	Polarizing key for .156" centerline connectors	.20



HAND INSTALLATION TOOLS MCT MANUAL TOOL

Lightweight, fast and easy to use. Automatically indexes to next circuit position on completion of cycle. Use with either CTD-100F or CTD-156F nose sections. Nose sections must be ordered separately. **MCT Tool.** Weight: 10 oz. (.28 kg).

Cat. No.	Net Price
MCT	\$135.54



CTD INTERCHANGEABLE NOSE SECTION

Two sizes to terminate .100" or .156" end connectors with the manual hand tool shown above.

- Funnel entry guides wire into contact
- Quick-disconnect bayonet mount

Cat. No.	Description	Net Price
CTD-100F	Nose Section for .100" female end connectors	\$165.66
CTD-156F	Nose Section for .156" female end connectors	165.66



MRT HAND TOOL

Individually terminates discrete wires into MAS-CON end or through connectors. Ideal for maintenance, repair or prototyping. Guides slide down connector ribs to assure correct alignment with contact.

Cat. No.	Description	Net Price
MRT-100F	For .100" (2.54) Centerline Connectors	\$7.84
MRT-156F	For .156" (3.96) Centerline Connectors	7.84



MMIT-100F & MMIT-156F MANUAL TOOL

FEATURES:

- Terminates discrete wire into both end and through connectors.
- Portable, weighs less than 1/4 of a pound.
- Can be used with left or right hand.
- Flexibility in executing daisy-chain terminations.

Cat. No.	Description	Net Price
MMIT-100F	For .100" CL End and Through Connectors	\$107.53
MMIT-156F	For .156 CL End and Through Connectors	107.53