

MTA-156 IDC Card Edge Connectors—Closed End and Feed-Thru

Material and Finish

Housing—UL94V-0 rated, polyester,
see chart for color

Contacts—Phosphor bronze, post tin
plated

Note: Refer to pages 70 thru 74 for
approved wire listings.

**Color Coding by Wire Size for
UL94V-0 Connectors**

26 AWG—Blue
24 AWG—White
22 AWG—Red
20 AWG—Yellow
18 AWG—Orange

**Connector Ordering
Information**

The "Base Part Numbers"
Chart at right shows the
base part number and num-
ber of circuits available for
the described connectors.

Prefixes and suffixes are
determined by the number
of circuit positions in the
connector. For example, the
complete part number for a
12-position closed end con-
nector without mounting ears
for 18 AWG wire would be:

Base number **640859** plus
prefix-and-suffix
1- -2

The correct ordering num-
ber is

1-640859-2

See page 15 for an explanation of
RoHS lead free equivalents.

Performance Data

Voltage Rating—600 vac

Current Rating—5 amp max.

Low-Level Resistance—
7 mΩ max. initial

Dielectric Withstanding Voltage—
1250 vac/1 min.

Insulation Resistance—
5000 MΩ min. initial

Operating Temperature—
-55° C to +105° C

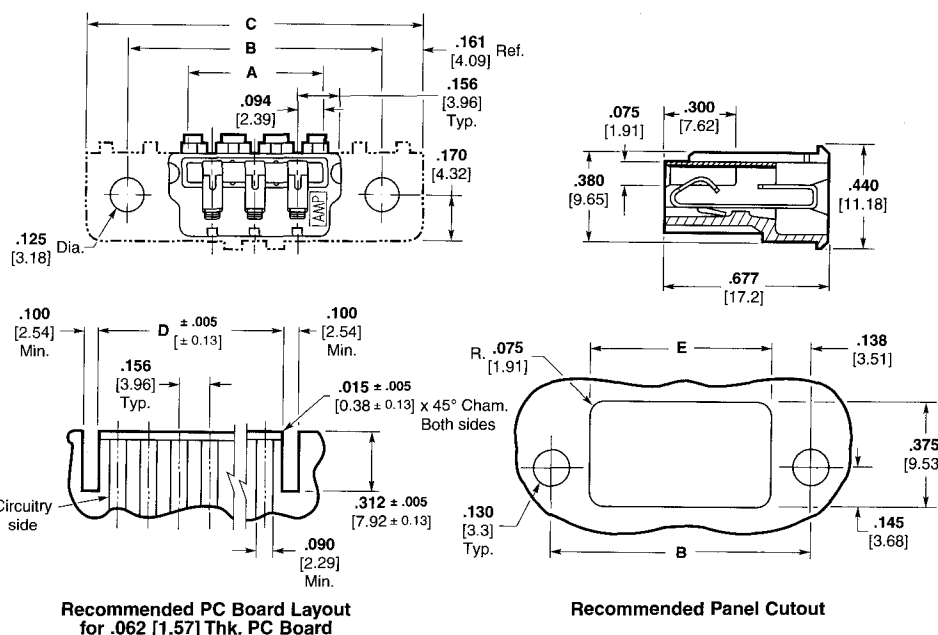
Technical Documents

Product Specification

108-1058 MTA-156 Card Edge
Connectors

Application Specification

114-1020 MTA-156 Connectors,
Posted Connectors and
Card Edge Connectors



Recommended PC Board Layout
for .062 [1.57] Thk. PC Board

Recommended Panel Cutout

Base Part Numbers

Connector Type & Wire Size	Closed End				Feed-Thru			
	Without Mounting Ears		With Mounting Ears		Without Mounting Ears		With Mounting Ears	
	No. of Connector Part Nos.	No. of Circuits/ RoHS Equiv.	No. of Connector Part Nos.	No. of Circuits/ RoHS Equiv.	No. of Connector Part Nos.	No. of Circuits/ RoHS Equiv.	No. of Connector Part Nos.	No. of Circuits/ RoHS Equiv.
Standard UL94V-0, Tin Plated								
18 AWG 0.8-0.9 mm ²	640859	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	640864	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641283	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641288	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54
20 AWG 0.5-0.6 mm ²	640860	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	640865	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641284	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641289	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54
22 AWG 0.3-0.4 mm ²	640861	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	640866	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641285	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641290	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54
24 AWG 0.2 mm ²	640862	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	640867	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641286	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641291	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54
26 AWG 0.12-0.15 mm ²	640863	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	640868	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641287	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54	641292	3, 6, 9, 12, 15, 18, 20-24 33, 36, 39, 42, 45, 48, 50-54

No. of Circuits	Dimensions					Prefix/ Suffix
	A	B	C	D	E	
3	.500 [12.70]	.926 [23.52]	1.248 [31.70]	.484 [12.29]	.650 [16.51]	-3
6	.968 [24.59]	1.394 [35.41]	1.716 [43.59]	.952 [24.18]	1.118 [28.40]	-6
9	1.436 [36.47]	1.862 [47.29]	2.184 [55.47]	1.420 [36.07]	1.586 [40.28]	-9
12	1.904 [48.36]	2.330 [59.18]	2.652 [67.36]	1.888 [47.96]	2.054 [52.17]	1- -2
15	2.372 [60.25]	2.798 [71.07]	3.120 [79.25]	2.356 [59.84]	2.522 [64.06]	1- -5
18	2.840 [72.14]	3.266 [82.96]	3.588 [91.14]	2.824 [71.73]	2.990 [75.95]	1- -8
20	3.152 [80.06]	3.578 [90.88]	3.900 [99.06]	3.136 [79.65]	3.302 [83.87]	2- -0
21	3.308 [84.02]	3.734 [94.84]	4.056 [103.02]	3.292 [83.62]	3.458 [87.83]	2- -1
22	3.464 [87.99]	3.890 [98.81]	4.212 [106.98]	3.448 [87.58]	3.614 [91.80]	2- -2
23	3.620 [91.95]	4.046 [102.77]	4.368 [110.95]	3.604 [91.54]	3.770 [95.76]	2- -3
24	3.776 [95.91]	4.202 [106.73]	4.524 [114.91]	3.760 [95.50]	3.926 [99.72]	2- -4