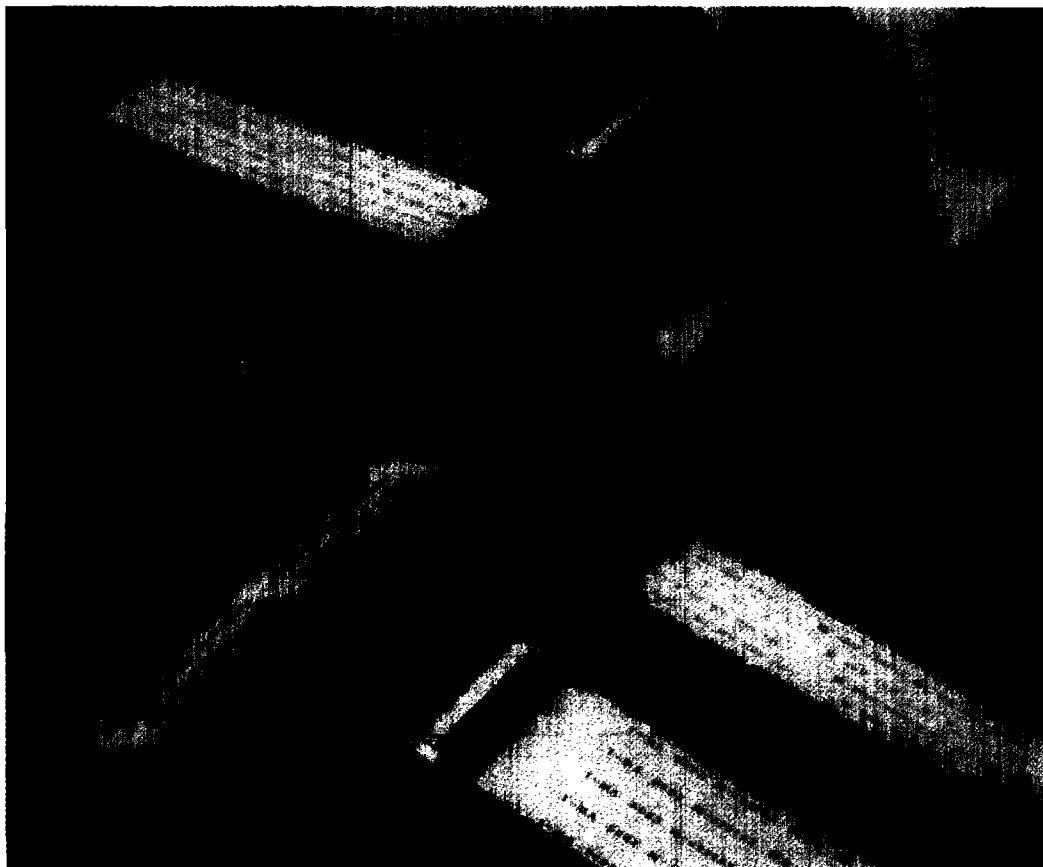


Wire to Board Connectors

AMP 1.25mm Centerline Connectors for FFC Cable



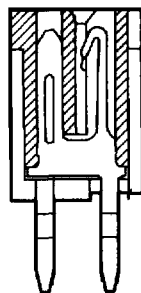
AMP 1.25mm Centerline Connector for FFC Cable provide a reliable means of connecting FFC cable with conductors on 1.25mm centerline to the printed circuit board. These connectors are mounted onto the board by soldering, directly inserted.

Types of Connector

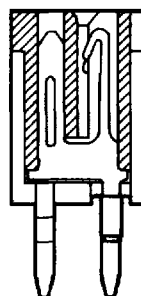
The product is broadly divided into two types, vertical-mount and horizontal-mount, both of which are available either with lock-key or without. Moreover, the horizontal-mount type is offered in two styles, top-contact style which contacts with the top side of cable and bottom-contact style that contacts with the bottom side of cable.

Mounting of Connector on board

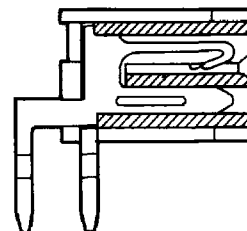
In mounting the connector onto the board the connector with lock-key precludes the possibility of mismounting as the board is not provided with slots to accommodate the connector's lock-key mounting circuits. For the connector without lock-key, one with polarizing boss is available to prevent counter-insertion of cable. The board-mounting solder leg is kink-controlled and capable of retaining the connector positively during soldering as it is inserted into the board hole.



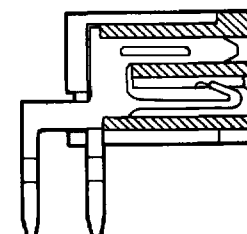
Vertical-mount Type



Vertical-mount Type, with polarizing boss



Horizontal-mount Type, with top contact



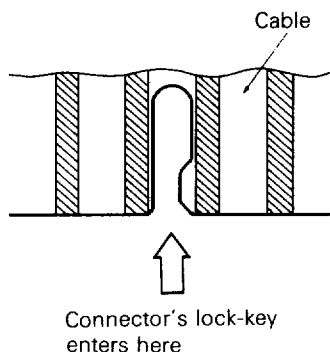
Horizontal-mount Type, with bottom contact

Wire to Board Connectors

AMP 1.25mm Centerline Connectors for FFC Cable

■ Lock-key

Using the lock-key, the connector can be polarized to prevent mis-insertion of cable and at the same time ensures positive retention of the inserted cable.

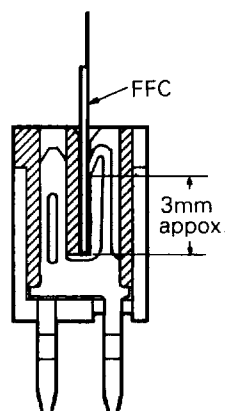


■ Cable Insertion

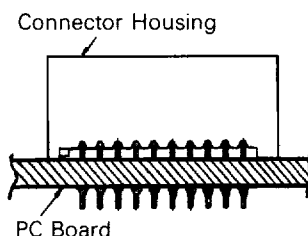
There is a feel of click as cable is inserted into the connector, making it possible to ensure complete contact. Also, with the lock-key connector, there is a greater feel of click, providing positive cable insertion and a ZIF-type level of cable retention despite of it being a NON-ZIF type connector. Consideration has been given to lessen the burden of operators by providing higher cable retention force for low pin-count connectors while decreasing cable insertion force for high pin-count connectors.

■ Other Design Features

- 1) The effective cable-to-connector length is about 3mm, longer than conventional connectors. There for, even if the inserted cable tends to come off, an electrically stable contact is maintained.

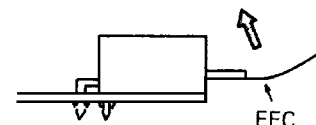


- 2) Both vertical and horizontal-mount type are designed to float the connector housing off the board to prevent the rise of flux.



- 3) With glass-filled PBT resin employed as housing material against solder crack and the connector's legs made flexible in the pitch direction as the board thickness direction of contacts is the same the pitch direction, and with other design features, the connector presents no problem of solder crack at all.

- 4) With the horizontal-mount type, there is no danger of the connector standing up when the inserted cable is lifted up.



- 5) The product is designed to be adaptable to automatic mounting to the board and as such, there is no possibility of the leg tip alignment being disarrayed.

- 6) The standard method of supply is by ways of traycase-packaging to be compatible with automatic mounting.

- 7) The product is supplied in tube for automatic mounting.

- 8) Compact design measuring only 5.0mm x 7.3mm, including the raised bottom to prevent the rise of flux.

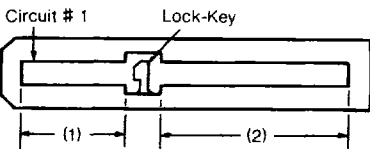
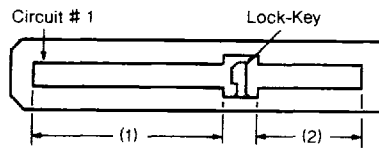
- 9) Using a single-faced point of contact system, there is no danger of current flowing into other circuits or other devices being broken even if cable is inserted upside down.

Wire to Board Connectors AMP 1.25mm Centerline Connectors for FFC Cable

Performance Specifications

Voltage Rating: 50V AC
 Current Rating: 1A
 Overall Resistance: 30m Ω Max.(initial)
 60m Ω Max.(final)
 Dielectric Withstanding Voltage: 0.5 KV AC
 Insulation Resistance (500V DC): 500M Ω (initial)
 100M Ω (final)
 Durability(Repeated Insetions and Extractions):
 20 times @ 100mm/min. insertion and extraction speed.
 Operating Temperature: -20~+80°C

Lock-key Position

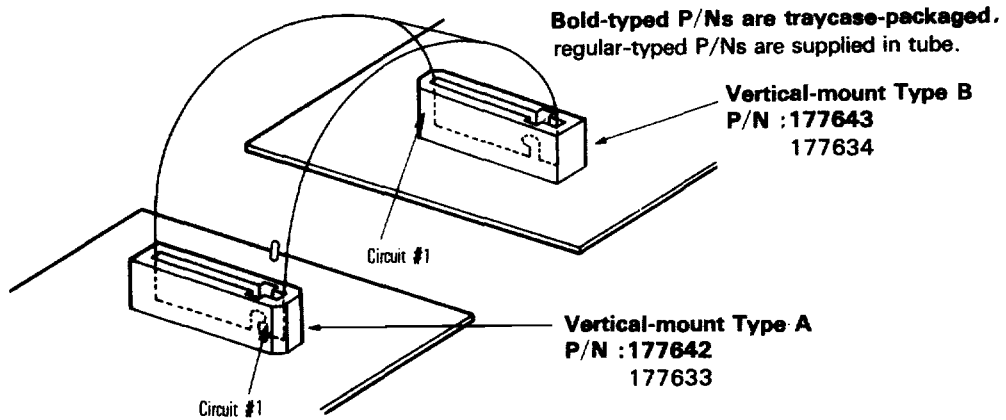
Type A		Type B	
			
No. of Pos.	No. of circuits on Side (1)	No. of circuits on Side (2)	No. of circuits on Side (2)
4	2	2	2
5	2	3	2
6	2	4	2
7	2	5	2
8	3	5	3
9	3	6	3
10	3	7	3
11	4	7	4
12	4	8	4
13	5	8	5
14	5	9	5
15	6	9	6
16	6	10	6
17	6	11	6
18	6	12	6
19	6	13	6
20	6	14	6
21	9	12	9
22	9	13	9
23	9	14	9
24	9	15	9
25	9	16	9
26	9	17	9
27	9	18	9
28	9	19	9
29	9	20	9
30	9	21	9
31	13	18	13
32	13	19	13
33	13	20	13

Wire to Board Connectors

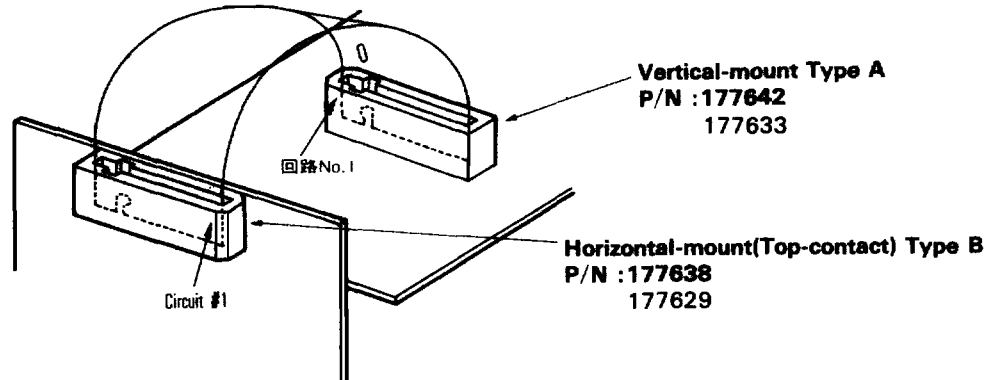
AMP 1.25mm Centerline Connectors for FFC Cable

Connection Combinations of Various Connectors, with Lock-key

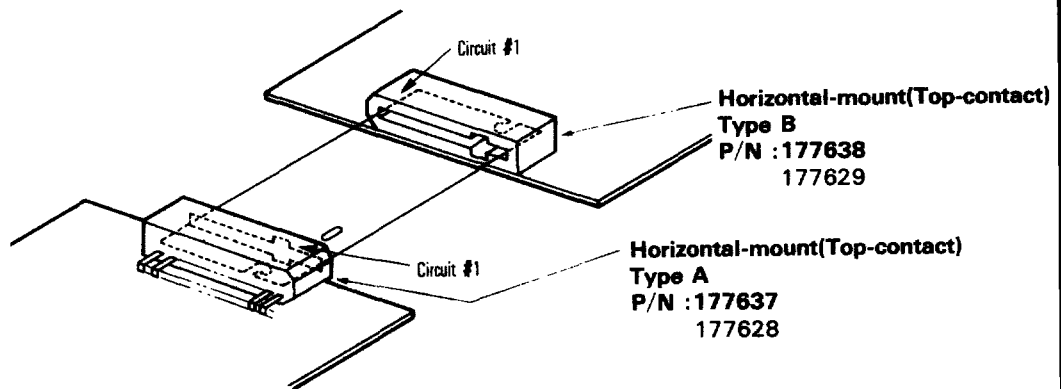
Vertical-mount to Vertical-mount



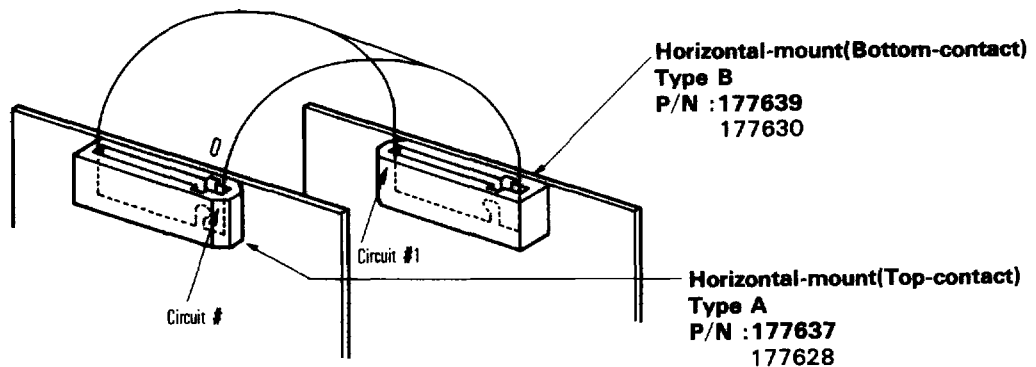
Vertical-mount to Horizontal-mount (Top-contact)



Horizontal-mount (Top-contact) to Horizontal-mount (Top-contact)



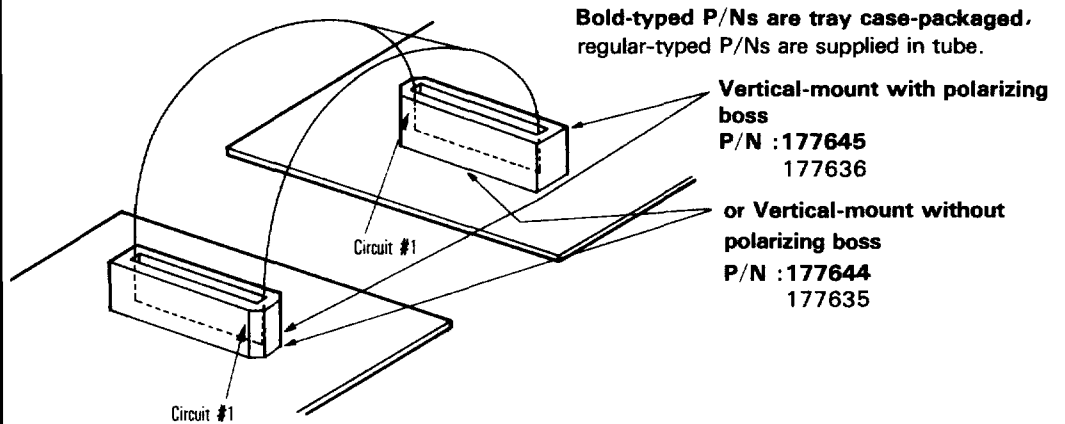
Horizontal-mount (Top-contact) to Horizontal-mount (Bottom-contact)



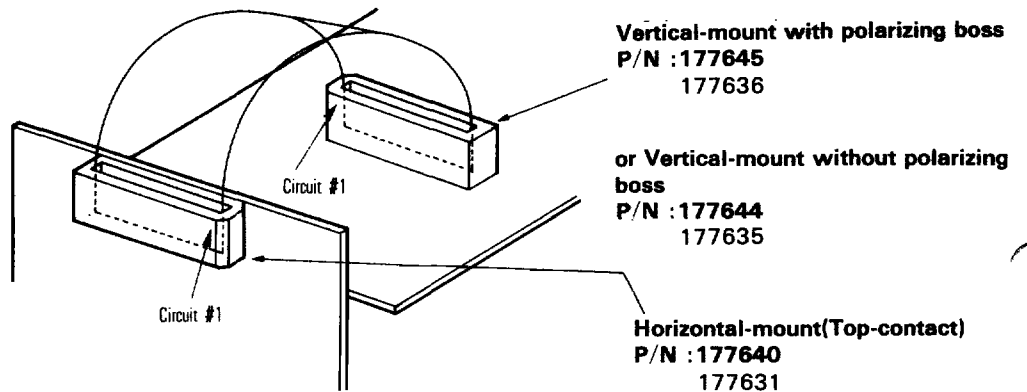
With both vertical-mount and horizontal-mount connectors, the standard color for Type A is white and that for Type B is black.

Wire to Board Connectors **AMP 1.25mm Centerline Connectors for FFC Cable** **Connection Combinations of Various Connectors, without Lock-key**

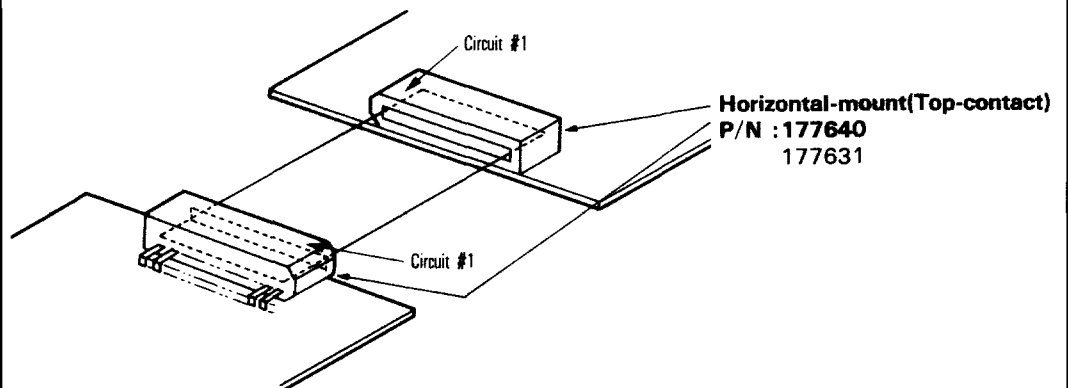
Vertical-mount to Vertical-mount



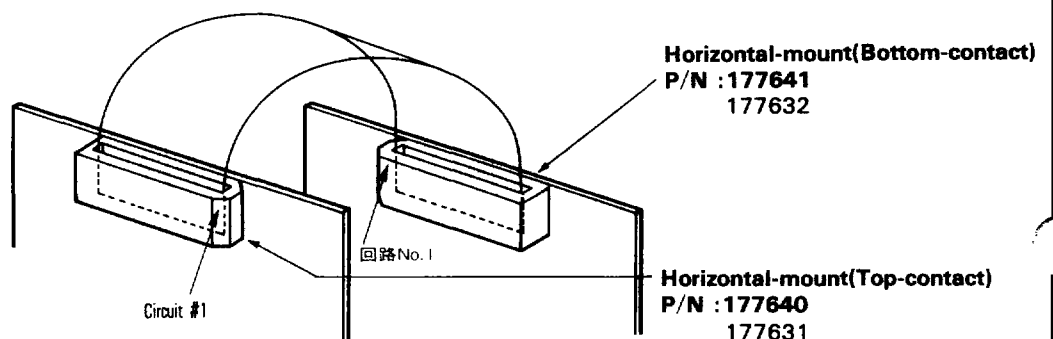
Vertical-mount to Horizontal-mount (Top-contact)



Horizontal-mount (Top-contact)to Horizontal-mount (Top-contact)



Horizontal-mount (Top-contact)to Horizontal-mount (bottom-contact)



Standard color of vertical-mount and horizontal-mount(top-contact) is white, and that of horizontal-mount(bottom-contact) is black.

Wire to Board Connectors

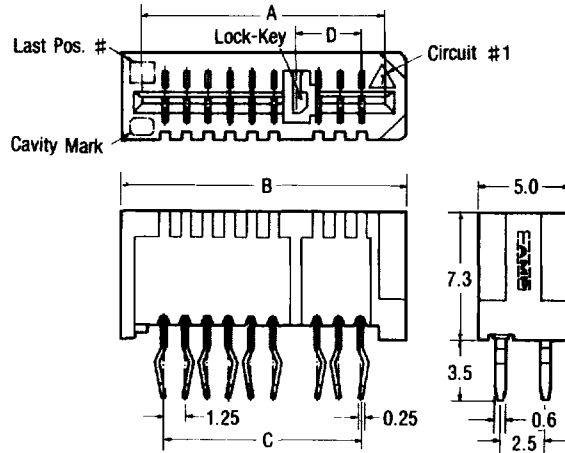
AMP 1.25mm Centerline Connectors for FFC Cable

Vertical-mount Type

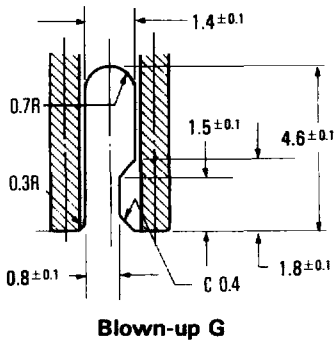
Type A with Lock-key

Material and Finish:

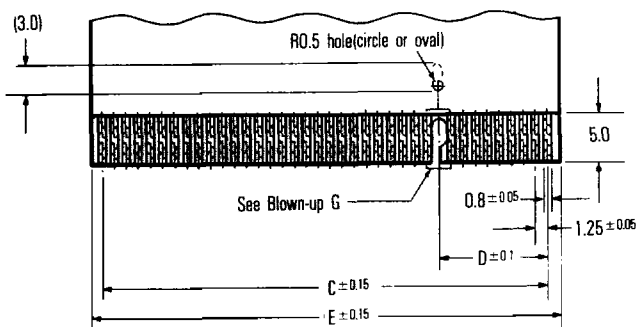
Housing—94V-0 rated PBT.
(GF-15), white
Contact—Phosphor bronze
0.25mm thick
solder-plated



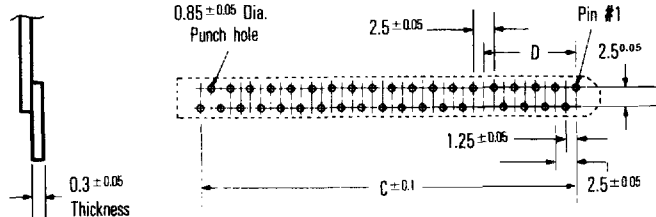
No. of Pos.	Dimensions					Connectors			
	A	B	C	D	E	Supplied in tube		Traycase-packaged	
						P/N	Qty	P/N	Qty
4	7.65	10.00	5.00	2.50	7.50	177633-4	45	177642-4	510
5	8.90	11.25	6.25	2.50	8.75	177633-5	40	177642-5	450
6	10.15	12.50	7.50	2.50	10.00	177633-6	35	177642-6	405
7	11.40	13.75	8.75	2.50	11.25	177633-7	35	177642-7	360
8	12.65	15.00	10.00	3.75	12.50	177633-8	30	177642-8	330
9	13.90	16.25	11.25	3.75	13.75	177633-9	30	177642-9	300
10	15.15	17.50	12.50	3.75	15.00	1-177633-0	25	1-177642-0	285
11	16.40	18.75	13.75	5.00	16.25	1-177633-1	25	1-177642-1	270
12	17.65	20.00	15.00	5.00	17.50	1-177633-2	20	1-177642-2	255
13	18.90	21.25	16.25	6.25	18.75	1-177633-3	20	1-177642-3	225
14	20.15	22.50	17.50	6.25	20.00	1-177633-4	20	1-177642-4	225
15	21.40	23.75	18.75	7.50	21.25	1-177633-5	20	1-177642-5	210
16	22.65	25.00	20.00	7.50	22.50	1-177633-6	15	1-177642-6	195
17	23.90	26.25	21.25	7.50	23.75	1-177633-7	15	1-177642-7	195
18	25.15	27.50	22.50	7.50	25.00	1-177633-8	15	1-177642-8	180
19	26.40	28.75	23.75	7.50	26.25	1-177633-9	15	1-177642-9	165
20	27.65	30.00	25.00	7.50	27.50	2-177633-0	15	2-177642-0	165
21	28.90	31.25	26.25	11.25	28.75	2-177633-1	15	2-177642-1	150
22	30.15	32.50	27.50	11.25	30.00	2-177633-2	15	2-177642-2	150
23	31.40	33.75	28.75	11.25	31.25	2-177633-3	14	2-177642-3	150
24	32.65	35.00	30.00	11.25	32.50	2-177633-4	14	2-177642-4	135
25	33.90	36.25	31.25	11.25	33.75	2-177633-5	12	2-177642-5	135
26	35.15	37.50	32.50	11.25	35.00	2-177633-6	12	2-177642-6	135
27	36.40	38.75	33.75	11.25	36.25	2-177633-7	12	2-177642-7	120
28	37.65	40.00	35.00	11.25	37.50	2-177633-8	12	2-177642-8	120
29	38.90	41.25	36.25	11.25	38.75	2-177633-9	12	2-177642-9	120
30	40.15	42.50	37.50	11.25	40.00	3-177633-0	10	3-177642-0	120
31	41.40	43.75	38.75	16.25	41.25	3-177633-1	10	3-177642-1	105
32	42.65	45.00	40.00	16.25	42.50	3-177633-2	10	3-177642-2	105
33	43.90	46.25	41.25	16.25	43.75	3-177633-3	10	3-177642-3	105



Blown-up G



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors **AMP 1.25mm Centerline Connectors for FFC Cable** **Vertical-mount Type**

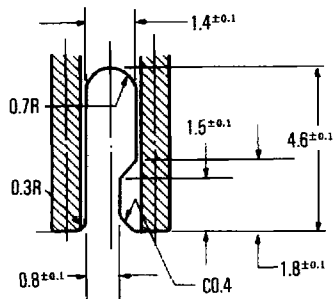
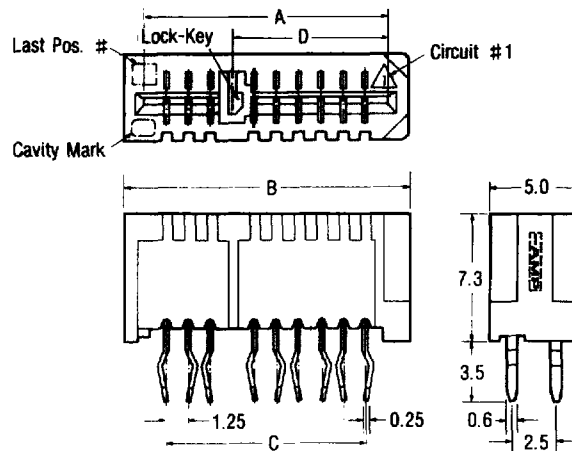
Type B **with Lock-key**

Material and Finish:

Housing—94V-0 rated PBT.
 (GF-15), black

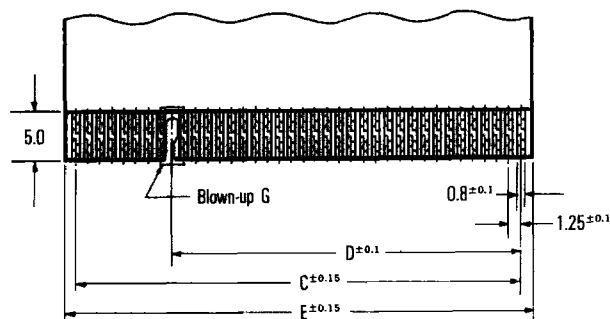
Contact—

Tin-Lead Phosphor bronze, 0.
 25mm thick

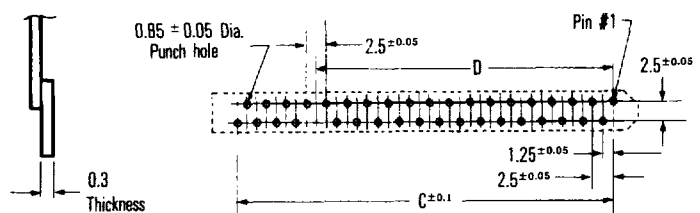


Blown-up G

No. of Pos.	Dimensions					Connectors			
	A	B	C	D	E	Supplied in tube		Traycase-packaged	
						P/N	Qty	P/N	Qty
4	7.65	10.00	5.00	2.50	7.50	177634-4	45	177643-4	510
5	8.90	11.25	6.25	3.75	8.75	177634-5	40	177643-5	450
6	10.15	12.50	7.50	5.00	10.00	177634-6	35	177643-6	405
7	11.40	13.75	8.75	6.25	11.25	177634-7	35	177643-7	360
8	12.65	15.00	10.00	6.25	12.50	177634-8	30	177643-8	330
9	13.90	16.25	11.25	7.50	13.75	177634-9	30	177643-9	300
10	15.15	17.50	12.50	8.75	15.00	1-177634-0	25	1-177643-0	285
11	16.40	18.75	13.75	8.75	16.25	1-177634-1	25	1-177643-1	270
12	17.65	20.00	15.00	10.00	17.50	1-177634-2	20	1-177643-2	255
13	18.90	21.25	16.25	10.00	18.75	1-177634-3	20	1-177643-3	225
14	20.15	22.50	17.50	11.25	20.00	1-177634-4	20	1-177643-4	225
15	21.40	23.75	18.75	11.25	21.25	1-177634-5	20	1-177643-5	210
16	22.65	25.00	20.00	12.50	22.50	1-177634-6	15	1-177643-6	195
17	23.90	26.25	21.25	13.75	23.75	1-177634-7	15	1-177643-7	195
18	25.15	27.50	22.50	15.00	25.00	1-177634-8	15	1-177643-8	180
19	26.40	28.75	23.75	16.25	26.25	1-177634-9	15	1-177643-9	165
20	27.65	30.00	25.00	17.50	27.50	2-177634-0	15	2-177643-0	165
21	28.90	31.25	26.25	15.00	28.75	2-177634-1	15	2-177643-1	150
22	30.15	32.50	27.50	16.25	30.00	2-177634-2	15	2-177643-2	150
23	31.40	33.75	28.75	17.50	31.25	2-177634-3	14	2-177643-3	150
24	32.65	35.00	30.00	18.75	32.50	2-177634-4	14	2-177643-4	135
25	33.90	36.25	31.25	20.00	33.75	2-177634-5	12	2-177643-5	135
26	35.15	37.50	32.50	21.25	35.00	2-177634-6	12	2-177643-6	135
27	36.40	38.75	33.75	22.50	36.25	2-177634-7	12	2-177643-7	120
28	37.65	40.00	35.00	23.75	37.50	2-177634-8	12	2-177643-8	120
29	38.90	41.25	36.25	25.00	38.75	2-177634-9	12	2-177643-9	120
30	40.15	42.50	37.50	26.25	40.00	3-177634-0	10	3-177643-0	120
31	41.40	43.75	38.75	22.50	41.25	3-177634-1	10	3-177643-1	105
32	42.65	45.00	40.00	23.75	42.50	3-177634-2	10	3-177643-2	105
33	43.90	46.25	41.25	25.00	43.75	3-177634-3	10	3-177643-3	105



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors

AMP 1.25mm Centerline Connectors for FFC Cable

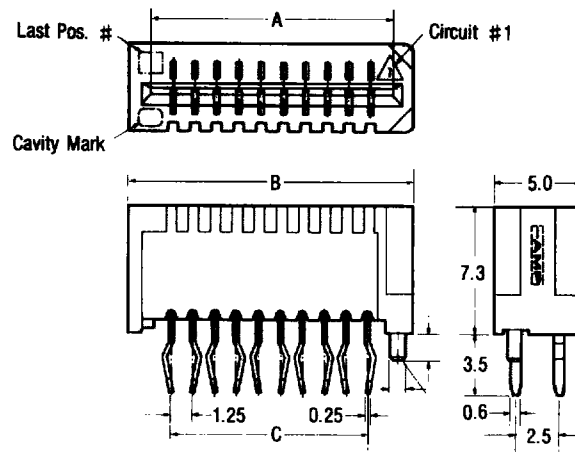
Vertical-mount Type

**Without Lock-key
Without Polarizing Boss**

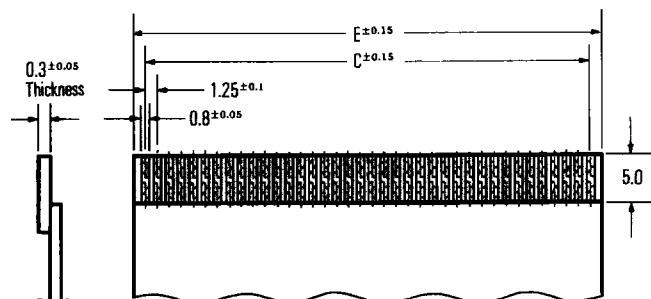
Material and Finish:

Housing—94V-0 rated
PBT. (GF-15), white

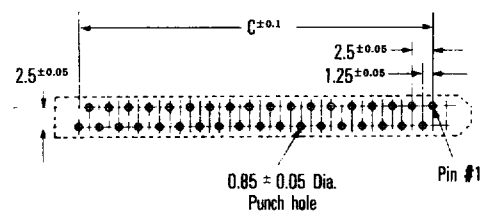
Contact—
Tin-Lead Phosphor
bronze, 0.25mm thick



No. of Pos.	Dimensions				Connectors			
	A	B	C	E	Supplied in tube		Traycase-packaged	
					P/N	Qty	P/N	Qty
4	6.40	8.75	3.75	6.25	177635-4	55	177644-4	570
5	7.65	10.00	5.00	7.50	177635-5	45	177644-5	510
6	8.90	11.25	6.25	8.75	177635-6	40	177644-6	450
7	10.15	12.50	7.50	10.00	177635-7	35	177644-7	405
8	11.40	13.75	8.75	11.25	177635-8	35	177644-8	360
9	12.65	15.00	10.00	12.50	177635-9	30	177644-9	330
10	13.90	16.25	11.25	13.75	1-177635-0	30	1-177644-0	300
11	15.15	17.50	12.50	15.00	1-177635-1	25	1-177644-1	285
12	16.40	18.75	13.75	16.25	1-177635-2	25	1-177644-2	270
13	17.65	20.00	15.00	17.50	1-177635-3	20	1-177644-3	255
14	18.90	21.25	16.25	18.75	1-177635-4	20	1-177644-4	225
15	20.15	22.50	17.50	20.00	1-177635-5	20	1-177644-5	225
16	21.40	23.75	18.75	21.25	1-177635-6	20	1-177644-6	210
17	22.65	25.00	20.00	22.50	1-177635-7	15	1-177644-7	195
18	23.90	26.25	21.25	23.75	1-177635-8	15	1-177644-8	195
19	25.15	27.50	22.50	25.00	1-177635-9	15	1-177644-9	180
20	26.40	28.75	23.75	26.50	2-177635-0	15	2-177644-0	165
21	27.65	30.00	25.00	27.50	2-177635-1	15	2-177644-1	165
22	28.90	31.25	26.25	28.75	2-177635-2	15	2-177644-2	150
23	30.15	32.50	27.50	30.00	2-177635-3	15	2-177644-3	150
24	31.40	33.75	28.75	31.25	2-177635-4	14	2-177644-4	150
25	32.65	35.00	30.00	32.50	2-177635-5	14	2-177644-5	135
26	33.90	36.25	31.25	33.75	2-177635-6	12	2-177644-6	135
27	35.15	37.50	32.50	35.00	2-177635-7	12	2-177644-7	135
28	36.40	38.75	33.75	36.25	2-177635-8	12	2-177644-8	120
29	37.65	40.00	35.00	37.50	2-177635-9	12	2-177644-9	120
30	38.90	41.25	36.25	38.75	3-177635-0	12	3-177644-0	120
31	40.14	42.50	37.50	40.00	3-177635-1	10	3-177644-1	120
32	41.40	43.75	38.75	41.25	3-177635-2	10	3-177644-2	105
33	42.65	45.00	40.00	42.50	3-177635-3	10	3-177644-3	105



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors AMP 1.25mm Centerline Connectors for FFC Cable Vertical-mount Type

**Without Lock-key
With Polarizing Boss**

Material and Finish:

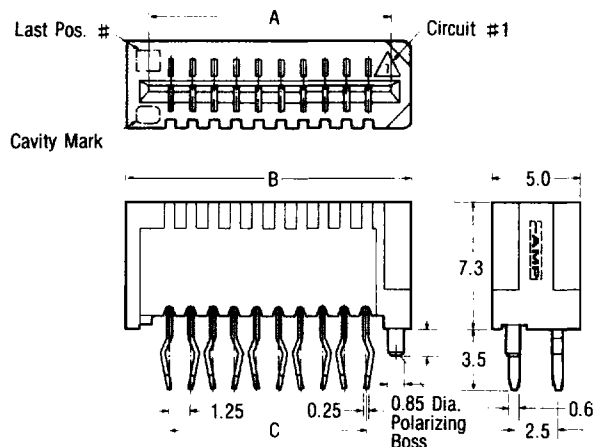
Housing—94V-0 rated

PBT. (GF-15), white

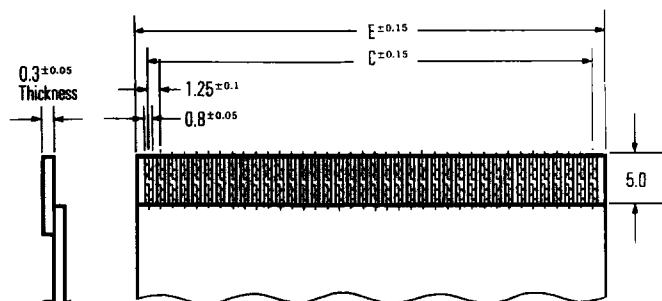
Contact—

Tin-Lead Phosphor

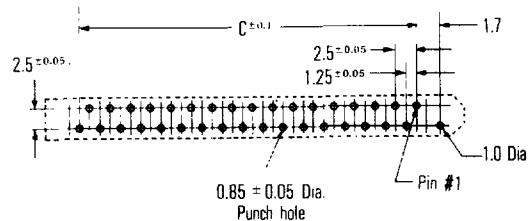
bronze, 0.25mm thick



No. of Pos.	Dimensions				Connectors			
	A	B	C	E	Supplied in tube		Traycase-packaged	
					P/N	Qty	P/N	Qty
4	6.40	8.75	3.75	6.25	177636-4	55	177645-4	570
5	7.65	10.00	5.00	7.50	177636-5	45	177645-5	510
6	8.90	11.25	6.25	8.75	177636-6	40	177645-6	450
7	10.15	12.50	7.50	10.00	177636-7	35	177645-7	405
8	11.40	13.75	8.75	11.25	177636-8	35	177645-8	360
9	12.65	15.00	10.00	12.50	177636-9	30	177645-9	330
10	13.90	16.25	11.25	13.75	1-177636-0	30	1-177645-0	300
11	15.15	17.50	12.50	15.00	1-177636-1	25	1-177645-1	285
12	16.40	18.75	13.75	16.25	1-177636-2	25	1-177645-2	270
13	17.65	20.00	15.00	17.50	1-177636-3	20	1-177645-3	255
14	18.90	21.25	16.25	18.75	1-177636-4	20	1-177645-4	225
15	20.15	22.50	17.50	20.00	1-177636-5	20	1-177645-5	225
16	21.40	23.75	18.75	21.25	1-177636-6	20	1-177645-6	210
17	22.65	25.00	20.00	22.50	1-177636-7	15	1-177645-7	195
18	23.90	26.25	21.25	23.75	1-177636-8	15	1-177645-8	195
19	25.15	27.50	22.50	25.00	1-177636-9	15	1-177645-9	180
20	26.40	28.75	23.75	26.25	2-177636-0	15	2-177645-0	165
21	27.65	30.00	25.00	27.50	2-177636-1	15	2-177645-1	165
22	28.90	31.25	26.25	28.75	2-177636-2	15	2-177645-2	150
23	30.15	32.50	27.50	30.00	2-177636-3	15	2-177645-3	150
24	31.40	33.75	28.75	31.25	2-177636-4	14	2-177645-4	150
25	32.65	35.00	30.00	32.50	2-177636-5	14	2-177645-5	135
26	33.90	36.25	31.25	33.75	2-177636-6	12	2-177645-6	135
27	35.15	37.50	32.50	35.00	2-177636-7	12	2-177645-7	135
28	36.40	38.75	33.75	36.25	2-177636-8	12	2-177645-8	120
29	37.65	40.00	35.00	37.50	2-177636-9	12	2-177645-9	120
30	38.90	41.25	36.25	38.75	3-177636-0	12	3-177645-0	120
31	40.15	42.50	37.50	40.00	3-177636-1	10	3-177645-1	120
32	41.40	43.75	38.75	41.25	3-177636-2	10	3-177645-2	105
33	42.65	45.00	40.00	42.50	3-177636-3	10	3-177645-3	105



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors AMP 1.25mm Centerline Connectors for FFC Cable Horizontal-mount Type /Top-Contact

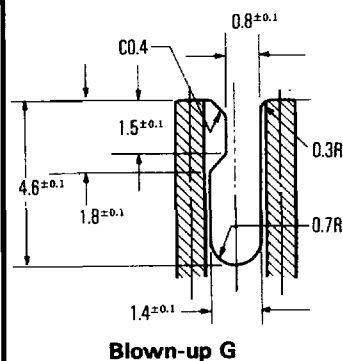
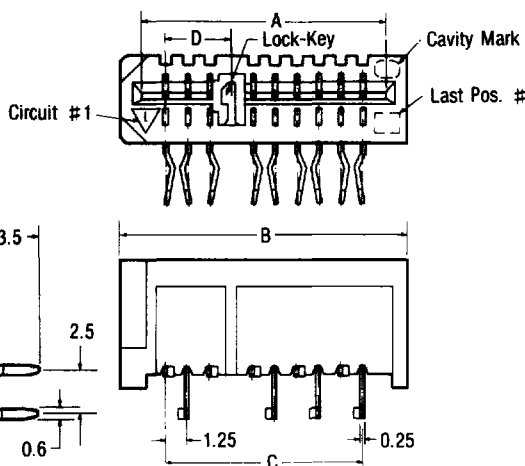
Type A With Lock-key

Material and Finish:

Housing—94V-0 rated PBT.
(GF-15), white

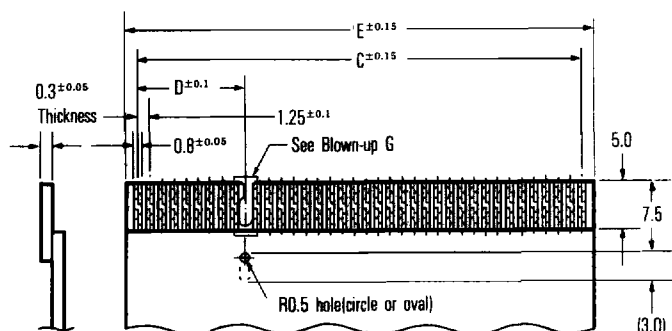
Contact—

Tin-Lead Phosphor bronze,
0.25mm thick

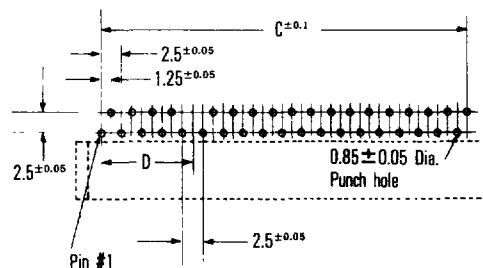


Blown-up G

No. of Pos.	Dimensions					Connectors			
	A	B	C	D	E	Supplied in tube		Traycase-packaged	
						P/N	Qty	P/N	Qty
4	7.65	10.00	5.00	2.50	7.50	177628-4	45	177637-4	340
5	8.90	11.25	6.25	2.50	8.75	177628-5	40	177637-5	300
6	10.15	12.50	7.50	2.50	10.00	177628-6	35	177637-6	270
7	11.40	13.75	8.75	2.50	11.25	177628-7	35	177637-7	240
8	12.65	15.00	10.00	3.75	12.50	177628-8	30	177637-8	220
9	13.90	16.25	11.25	3.75	13.75	177628-9	30	177637-9	200
10	15.15	17.50	12.50	3.75	15.00	1-177628-0	25	1-177637-0	190
11	16.40	18.75	13.75	5.00	16.25	1-177628-1	25	1-177637-1	180
12	17.65	20.00	15.00	5.00	17.50	1-177628-2	20	1-177637-2	170
13	18.90	21.25	16.25	6.25	18.75	1-177628-3	20	1-177637-3	150
14	20.15	22.50	17.50	6.25	20.00	1-177628-4	20	1-177637-4	150
15	21.40	23.75	18.75	7.50	21.25	1-177628-5	20	1-177637-5	140
16	22.65	25.00	20.00	7.50	22.50	1-177628-6	15	1-177637-6	130
17	23.90	26.25	21.25	7.50	23.75	1-177628-7	15	1-177637-7	130
18	25.15	27.50	22.50	7.50	25.00	1-177628-8	15	1-177637-8	120
19	26.40	28.75	23.75	7.50	26.25	1-177628-9	15	1-177637-9	110
20	27.65	30.00	25.00	7.50	27.50	2-177628-0	15	2-177637-0	110
21	28.90	31.25	26.25	11.25	28.75	2-177628-1	15	2-177637-1	100
22	30.15	32.50	27.50	11.25	30.00	2-177628-2	15	2-177637-2	100
23	31.40	33.75	28.75	11.25	31.25	2-177628-3	14	2-177637-3	100
24	32.65	35.00	30.00	11.25	32.50	2-177628-4	14	2-177637-4	90
25	33.90	36.25	31.25	11.25	33.75	2-177628-5	12	2-177637-5	90
26	35.15	37.50	32.50	11.25	35.00	2-177628-6	12	2-177637-6	90
27	36.40	38.75	33.75	11.25	36.25	2-177628-7	12	2-177637-7	80
28	37.65	40.00	35.00	11.25	37.50	2-177628-8	12	2-177637-8	80
29	38.90	41.25	36.25	11.25	38.75	2-177628-9	12	2-177637-9	80
30	40.15	42.50	37.50	11.25	40.00	3-177628-0	10	3-177637-0	80
31	41.40	43.75	38.75	16.25	41.25	3-177628-1	10	3-177637-1	70
32	42.65	45.00	40.00	16.25	42.50	3-177628-2	10	3-177637-2	70
33	43.90	46.25	41.25	16.25	43.75	3-177628-3	10	3-177637-3	70



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors **AMP 1.25mm Centerline Connectors for FFC Cable** **Horizontal-mount Type/Top-Contact**

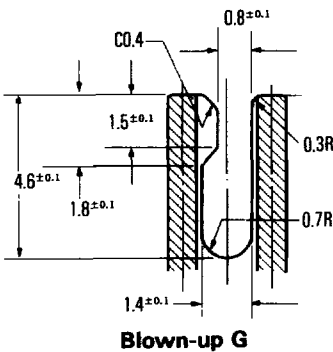
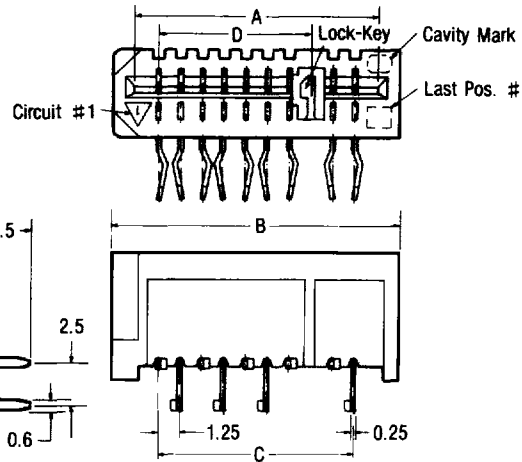
Type B **With Lock-key**

Material and Finish:

Housing—94V-0 rated PBT.
 (GF-15), black

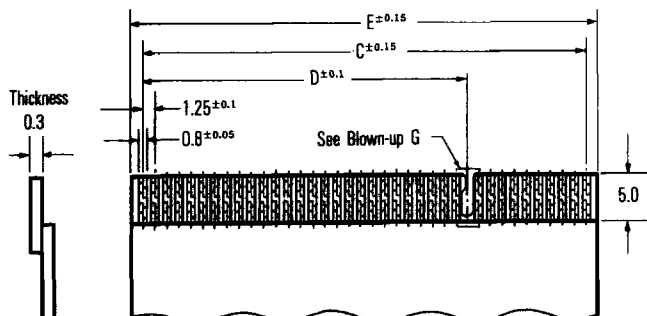
Contact—

Tin-Lead Phosphor bronze,
 0.25mm thick

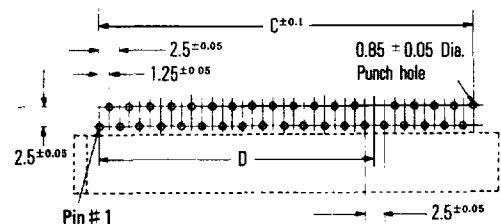


Blown-up G

No. of Pos.	Dimensions					Connectors			
	A	B	C	D	E	Supplied in tube		Traycase-packaged	
						P/N	Qty	P/N	Qty
4	7.65	10.00	5.00	2.50	7.50	177629-4	45	177638-4	340
5	8.90	11.25	6.25	3.75	8.75	177629-5	40	177638-5	300
6	10.15	12.50	7.50	5.00	10.00	177629-6	35	177638-6	270
7	11.40	13.75	8.75	6.25	11.25	177629-7	35	177638-7	240
8	12.65	15.00	10.00	6.25	12.50	177629-8	30	177638-8	220
9	13.90	16.25	11.25	7.50	13.75	177629-9	30	177638-9	200
10	15.15	17.50	12.50	8.75	15.00	1-177629-0	25	1-177638-0	190
11	16.40	18.75	13.75	8.75	16.25	1-177629-1	25	1-177638-1	180
12	17.65	20.00	15.00	10.00	17.50	1-177629-2	20	1-177638-2	170
13	18.90	21.25	16.25	10.00	18.75	1-177629-3	20	1-177638-3	150
14	20.15	22.50	17.50	11.25	20.00	1-177629-4	20	1-177638-4	150
15	21.40	23.75	18.75	11.25	21.25	1-177629-5	20	1-177638-5	140
16	22.65	25.00	20.00	12.50	22.50	1-177629-6	15	1-177638-6	130
17	23.90	26.25	21.25	13.75	23.75	1-177629-7	15	1-177638-7	130
18	25.15	27.50	22.50	15.00	25.00	1-177629-8	15	1-177638-8	120
19	26.40	28.75	23.75	16.25	26.25	1-177629-9	15	1-177638-9	110
20	27.65	30.00	25.00	17.50	27.50	2-177629-0	15	2-177638-0	110
21	28.90	31.25	26.25	15.00	28.75	2-177629-1	15	2-177638-1	100
22	30.15	32.50	27.50	16.25	30.00	2-177629-2	15	2-177638-2	100
23	31.40	33.75	28.75	17.50	31.25	2-177629-3	14	2-177638-3	100
24	32.65	35.00	30.00	18.75	32.50	2-177629-4	14	2-177638-4	90
25	33.90	36.25	31.25	20.00	33.75	2-177629-5	12	2-177638-5	90
26	35.15	37.50	32.50	21.25	35.00	2-177629-6	12	2-177638-6	90
27	36.40	38.75	33.75	22.50	36.25	2-177629-7	12	2-177638-7	80
28	37.65	40.00	35.00	23.75	37.50	2-177629-8	12	2-177638-8	80
29	38.90	41.25	36.25	25.00	38.75	2-177629-9	12	2-177638-9	80
30	40.15	42.50	37.50	26.25	40.00	3-177629-0	10	3-177638-0	80
31	41.40	43.75	38.75	22.50	41.25	3-177629-1	10	3-177638-1	70
32	42.65	45.00	40.00	23.75	42.50	3-177629-2	10	3-177638-2	70
33	43.90	46.25	41.25	25.00	43.75	3-177629-3	10	3-177638-3	70



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors AMP 1.25mm Centerline Connectors for FFC Cable Horizontal-mount Type/Bottom-Contact

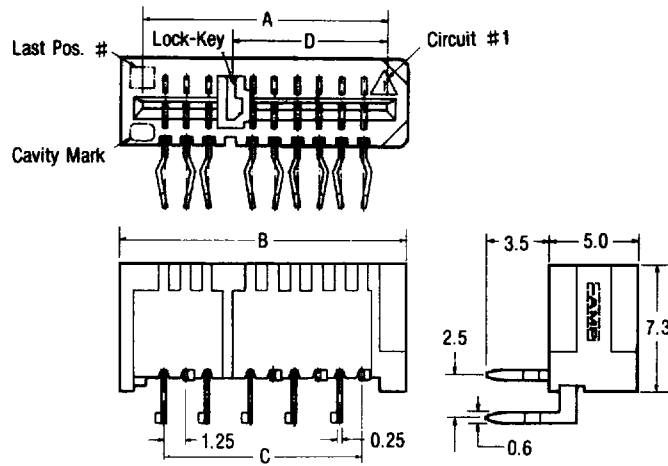
Type B With Lock-key

Material and Finish:

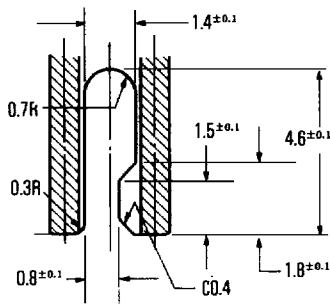
Housing—94V-0 rated PBT.
(GF-15), black

Contact—

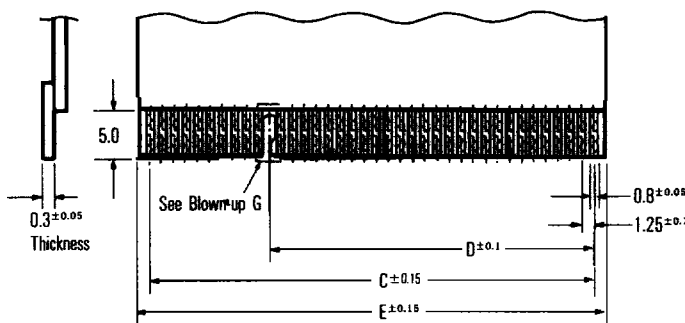
Tin-Lead Phosphor bronze,
0.25mm thick



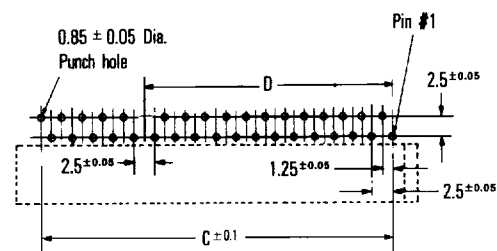
No. of Pos.	Dimensions					Connectors			
	A	B	C	D	E	Supplied in tube		Traycase-packaged	
						P/N	Qty	P/N	Qty
4	7.65	10.00	5.00	2.50	7.50	177630-4	45	177639-4	340
5	8.90	11.25	6.25	3.75	8.75	177630-5	40	177639-5	300
6	10.15	12.50	7.50	5.00	10.00	177630-6	35	177639-6	270
7	11.40	13.75	8.75	6.25	11.25	177630-7	35	177639-7	240
8	12.65	15.00	10.00	6.25	12.50	177630-8	30	177639-8	220
9	13.90	16.25	11.25	7.50	13.75	177630-9	30	177639-9	200
10	15.15	17.50	12.50	8.75	15.00	1-177630-0	25	1-177639-0	190
11	16.40	18.75	13.75	8.75	16.25	1-177630-1	25	1-177639-1	180
12	17.65	20.00	15.00	10.00	17.50	1-177630-2	20	1-177639-2	170
13	18.90	21.25	16.25	10.00	18.75	1-177630-3	20	1-177639-3	150
14	20.15	22.50	17.50	11.25	20.00	1-177630-4	20	1-177639-4	150
15	21.40	23.75	18.75	11.25	21.25	1-177630-5	20	1-177639-5	140
16	22.65	25.00	20.00	12.50	22.50	1-177630-6	15	1-177639-6	130
17	23.90	26.25	21.25	13.75	23.75	1-177630-7	15	1-177639-7	130
18	25.15	27.50	22.50	15.00	25.00	1-177630-8	15	1-177639-8	120
19	26.40	28.75	23.75	16.25	26.25	1-177630-9	15	1-177639-9	110
20	27.65	30.00	25.00	17.50	27.50	2-177630-0	15	2-177639-0	110
21	28.90	31.25	26.25	15.00	28.75	2-177630-1	15	2-177639-1	100
22	30.15	32.50	27.50	16.25	30.00	2-177630-2	15	2-177639-2	100
23	31.40	33.75	28.75	17.50	31.25	2-177630-3	14	2-177639-3	100
24	32.65	35.00	30.00	18.75	32.50	2-177630-4	14	2-177639-4	90
25	33.90	36.25	31.25	20.00	33.75	2-177630-5	12	2-177639-5	90
26	35.15	37.50	32.50	21.25	35.00	2-177630-6	12	2-177639-6	90
27	36.40	38.75	33.75	22.50	36.25	2-177630-7	12	2-177639-7	80
28	37.65	40.00	35.00	23.75	37.50	2-177630-8	12	2-177639-8	80
29	38.90	41.25	36.25	25.00	38.75	2-177630-9	12	2-177639-9	80
30	40.15	42.50	37.50	26.25	40.00	3-177630-0	10	3-177639-0	80
31	41.40	43.75	38.75	22.50	41.25	3-177630-1	10	3-177639-1	70
32	42.65	45.00	40.00	23.75	42.50	3-177630-2	10	3-177639-2	70
33	43.90	46.25	41.25	25.00	43.75	3-177630-3	10	3-177639-3	70



Blown-up G



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors

AMP 1.25mm Centerline Connectors for FFC Cable

Horizontal-mount Type/ Top-Contact

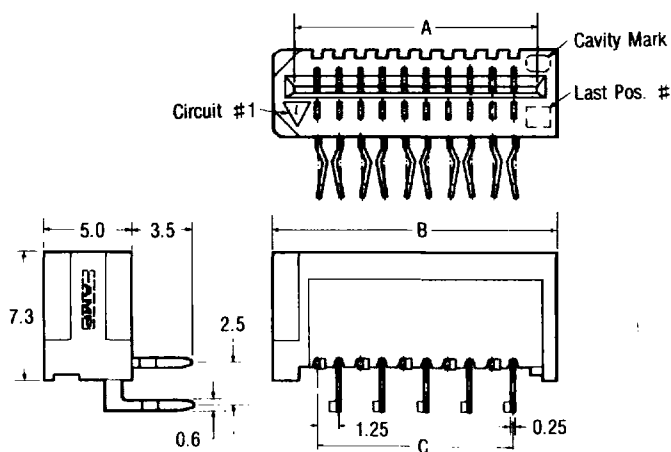
Without Lock-key

Material and Finish:

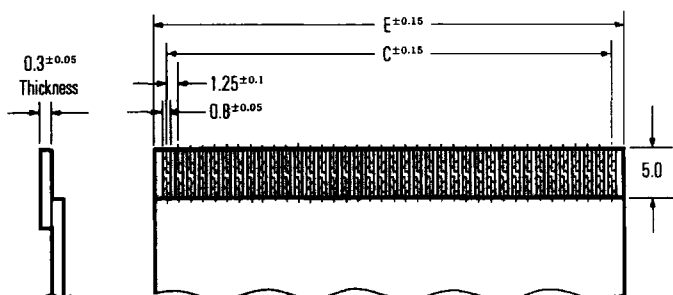
Housing—94V-0 rated PBT.
(GF-15), white

Contact—

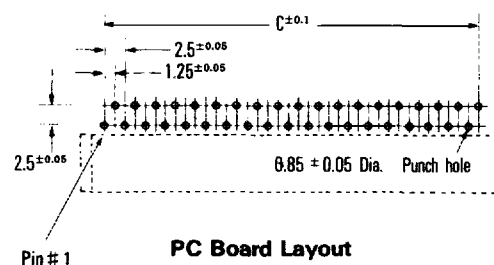
Tin-Lead Phosphor bronze,
0.25mm thick



No. of Pos.	Dimensions				Connectors			
	A	B	C	E	Supplied in tube		Traycase-packaged	
					P/N	Qty	P/N	Qty
4	6.40	8.75	3.75	6.25	177631-4	55	177640-4	380
5	7.65	10.00	5.00	7.50	177631-5	45	177640-5	340
6	8.90	11.25	6.25	8.75	177631-6	40	177640-6	300
7	10.15	12.50	7.50	10.00	177631-7	35	177640-7	270
8	11.40	13.75	8.75	11.25	177631-8	35	177640-8	240
9	12.65	15.00	10.00	12.50	177631-9	30	177640-9	220
10	13.90	16.25	11.25	13.75	1-177631-0	30	1-177640-0	200
11	15.15	17.50	12.50	15.00	1-177631-1	25	1-177640-1	190
12	16.40	18.75	13.75	16.25	1-177631-2	25	1-177640-2	180
13	17.65	20.00	15.00	17.50	1-177631-3	20	1-177640-3	170
14	18.90	21.25	16.25	18.75	1-177631-4	20	1-177640-4	150
15	20.15	22.50	17.50	20.00	1-177631-5	20	1-177640-5	150
16	21.40	23.75	18.75	21.25	1-177631-6	20	1-177640-6	140
17	22.65	25.00	20.00	22.50	1-177631-7	15	1-177640-7	130
18	23.90	26.25	21.25	23.75	1-177631-8	15	1-177640-8	130
19	25.15	27.50	22.50	25.00	1-177631-9	15	1-177640-9	120
20	26.40	28.75	23.75	26.25	2-177631-0	15	2-177640-0	110
21	27.65	30.00	25.00	27.50	2-177631-1	15	2-177640-1	110
22	28.90	31.25	26.25	28.75	2-177631-2	15	2-177640-2	100
23	30.15	32.50	27.50	30.00	2-177631-3	15	2-177640-3	100
24	31.40	33.75	28.75	31.25	2-177631-4	14	2-177640-4	100
25	32.65	35.00	30.00	32.50	2-177631-5	14	2-177640-5	90
26	33.90	36.25	31.25	33.75	2-177631-6	12	2-177640-6	90
27	35.15	37.50	32.50	35.00	2-177631-7	12	2-177640-7	90
28	36.40	38.75	33.75	36.25	2-177631-8	12	2-177640-8	80
29	37.65	40.00	35.00	37.50	2-177631-9	12	2-177640-9	80
30	38.90	41.25	36.25	38.75	3-177631-0	12	3-177640-0	80
31	40.15	42.50	37.50	40.00	3-177631-1	10	3-177640-1	80
32	41.40	43.75	38.75	41.25	3-177631-2	10	3-177640-2	70
33	42.65	45.00	40.00	42.50	3-177631-3	10	3-177640-3	70



Cable Assembling Dimensions



PC Board Layout

Wire to Board Connectors

AMP 1.25mm Centerline Connectors for FFC Cable

Horizontal-mount Type/Bottom-Contact

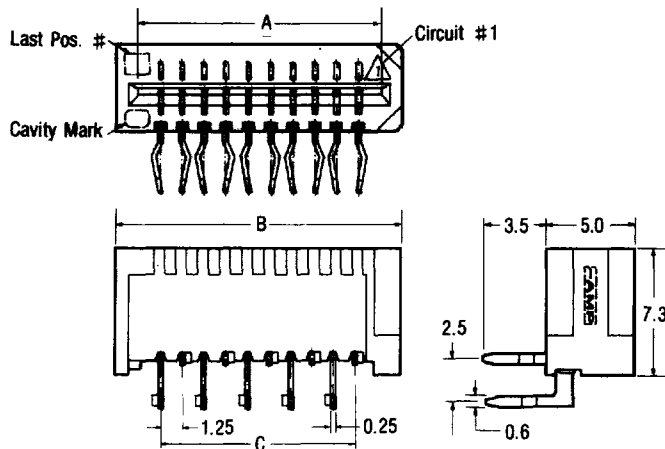
Without Lock-key

Material and Finish:

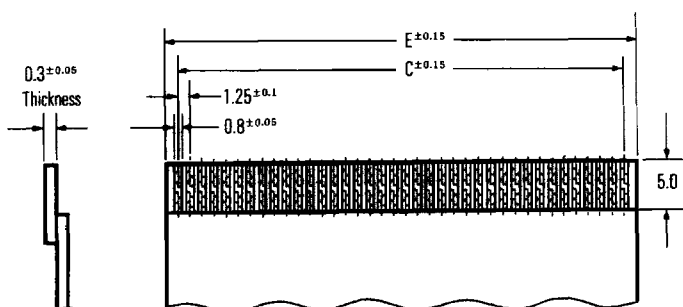
Housing—94V-0 rated PBT.
(GF-15), black

Contact—

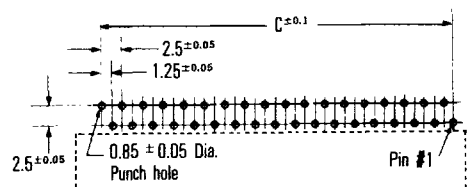
Tin-Lead Phosphor bronze,
0.25mm thick



No. of Pos.	Dimensions				Connectors			
	A	B	C	E	Supplied in tube P/N Qty	Traycase-packaged		
4	6.40	8.75	3.75	6.25	177632-4 55	177641-4	380	
5	7.65	10.00	5.00	7.50	177632-5 45	177641-5	340	
6	8.90	11.25	6.25	8.75	177632-6 40	177641-6	300	
7	10.15	12.50	7.50	10.00	177632-7 35	177641-7	270	
8	11.40	13.75	8.75	11.25	177632-8 35	177641-8	240	
9	12.65	15.00	10.00	12.50	177632-9 30	177641-9	220	
10	13.90	16.25	11.25	13.75	1-177632-0 25	1-177641-0	200	
11	15.15	17.50	12.50	15.00	1-177632-1 25	1-177641-1	190	
12	16.40	18.75	13.75	16.25	1-177632-2 20	1-177641-2	180	
13	17.65	20.00	15.00	17.50	1-177632-3 20	1-177641-3	170	
14	18.90	21.25	16.25	18.75	1-177632-4 20	1-177641-4	150	
15	20.15	22.50	17.50	20.00	1-177632-5 20	1-177641-5	150	
16	21.40	23.75	18.75	21.25	1-177632-6 15	1-177641-6	140	
17	22.65	25.00	20.00	22.50	1-177632-7 15	1-177641-7	130	
18	23.90	26.25	21.25	23.75	1-177632-8 15	1-177641-8	130	
19	25.15	27.50	22.50	25.00	1-177632-9 15	1-177641-9	120	
20	26.40	28.75	23.75	26.50	2-177632-0 15	2-177641-0	110	
21	27.65	30.00	25.00	27.50	2-177632-1 15	2-177641-1	110	
22	28.90	31.25	26.25	28.75	2-177632-2 15	2-177641-2	100	
23	30.15	32.50	27.50	30.00	2-177632-3 15	2-177641-3	100	
24	31.40	33.75	28.75	31.25	2-177632-4 14	2-177641-4	100	
25	32.65	35.00	30.00	32.50	2-177632-5 14	2-177641-5	90	
26	33.90	36.25	31.25	33.75	2-177632-6 12	2-177641-6	90	
27	35.15	37.50	32.50	35.00	2-177632-7 12	2-177641-7	90	
28	36.40	38.75	33.75	36.25	2-177632-8 12	2-177641-8	80	
29	37.65	40.00	35.00	37.50	2-177632-9 12	2-177641-9	80	
30	38.90	41.25	36.25	38.75	3-177632-0 12	3-177641-0	80	
31	40.15	42.50	37.50	40.00	3-177632-1 10	3-177641-1	70	
32	41.40	43.75	38.75	41.25	3-177632-2 10	3-177641-2	70	
33	42.65	45.00	40.00	42.50	3-177632-3 10	3-177641-3	70	



Cable Assembling Dimensions



PC Board Layout