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8

7

6

5

4

3

2

1

LOC

DIST

CF

39

REV

PER

OB20-0816-95

DATE

11-8-95

OWN

KJH

APVD

KJH

REV

PER

OB20-0251-96

DATE

3-29-96

OWN

REH

APVD

KN

REV

PER

OB20-1058-96

DATE

12-30-96

OWN

VEC

APVD

KN

1

HOUSING MATERIAL: BLACK THERMOPLASTIC

2

SIGNAL CONTACTS: PHOSPHOR BRONZE WITH 0.0076[.000030] MINIMUM GOLD OVER 0.0076[.000030] NICKEL PLATE IN CONTACT AREA.

3

GROUND BUS: BRASS WITH 0.0076[.000030] GOLD OVER 0.0076[.000030] NICKEL IN CONTACT AREA.

4

CHARACTERISTIC IMPEDANCE: 50±5 Ohms.

5

PROPAGATION DELAY: 4.75±.1 ns/M [1.45±.03 ns/FT].

6

CABLE INSULATION MATERIAL: FEP OR EQUIVALENT.

7

CONDUCTOR RESISTANCE: .472 Ohm/M [1.44 Ohm/FT].

8

CAPACITANCE TO GROUND: 98± pF/M [30±3 pF/FT].

9

CABLE AND PC BOARD WIRING:

PC BOARD RCPT A

CABLE ASSY END C1

CABLE ASSY END C2

PC BOARD RCPT B

1

N/C

N/C

1

2

N/C

N/C

2

3

1

1

3

4

2

2

4

-

-

-

37

35

35

37

38

36

36

38

39

N/C

N/C

39

40

N/C

N/C

40

-

-

-

41

N/C

N/C

41

42

N/C

N/C

42

43

37

37

43

44

38

38

44

-

-

-

77

71

71

77

78

72

72

78

79

N/C

N/C

79

80

N/C

N/C

80

-

-

-

81

N/C

N/C

81

82

N/C

N/C

82

83

73

73

83

84

74

74

84

-

-

-

117

107

107

117

118

108

108

118

119

N/C

N/C

119

120

N/C

N/C

120

10

LABEL TO READ AS FOLLOWS

AMP PART NUMBER:

DATE CODE:

DATE CODE TO BE FOUR DIGIT AND APPEAR AS YEAR/WEEK (EXAMPLE 9222).

11. THIS CABLE ASSEMBLY IS TO BE MATED WITH A 120 POSITION BOARD RECEPTACLE. THE RECEPTACLE PRINTED CIRCUIT BOARD MUST HAVE THROUGH HOLES FOR ALL CONTACTS INCLUDING THE UNUSABLE BOARD RECEPTACLE SIGNAL CONTACTS. THE UNUSABLE BOARD RECEPTACLE SIGNALS ARE 1,2,39,40,41,42,79,80,81,82,119 AND 120.

12

GROUND BUSES ARE IN COMMON

2.54
[.100]

POSN #108

POSN #107

12

12

12

12

1.27
[.050]
TYP

POSN #2

POSN #1

72.39
[2.85]

50.4
[2.00]

AMP

AMP

16.76
[.660]

10

8.89
[.350]

92.86
[3.656]

12

12

12

12

1

2

3

6

2

3

AMP 4805 REV 10/93

09-JAN-97 12:59:32 amp37970/home/amp37970/edmod

2-621193-4

3048.0 [120.00]

2-621193-3

2743.2 [108.00]

2-621193-2

2438.4 [96.00]

2-621193-1

2133.6 [84.00]

2-621193-0

1828.8 [72.00]

1-621193-9

1524.0 [60.00]

1-621193-8

1219.2 [48.00]

1-621193-7

1066.8 [42.00]

1-621193-6

914.4 [36.00]

1-621193-5

762.0 [30.00]

1-621193-4

609.6 [24.00]

1-621193-3

533.4 [21.00]

1-621193-2

457.2 [18.00]

1-621193-1

381.0 [15.00]

1-621193-0

304.8 [12.00]

621193-9

279.4 [11.00]

621193-8

254.0 [10.00]

621193-7

228.6 [9.00]

621193-6

203.2 [8.00]

621193-5

177.8 [7.00]

621193-4

152.4 [6.00]

621193-3

127.0 [5.00]

621193-2

101.6 [4.00]

621193-1

76.2 [3.00]

PART NUMBER

L ±6.4 [1.25]

THIS DRAWING IS A CONTROLLED DOCUMENT THAT AMP INCORPORATED. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.

10-04-94

D. EISENTRAUT

1/3/95

L. SMITH

1/3/95

L. SMITH

1/3/95

PRODUCT SPEC

APPLCATION SPEC

WEIGHT

-

CUSTOMER DRAWING

DIMENSIONS:

mm

0 PLC ±-

1 PLC ±-

2 PLC ±.25(.01)

3 PLC ±.127(.005)

4 PLC ±-

ANGLES

FINISH

MATERIAL

1

2

3

6

2

3

AMP Incorporated

Harrisburg, PA 17105-3608

ENHANCED MICRO-STRIP CABLE ASSEMBLY

50 Ohm, 108 POSITION, WITH LATCH

SIZE

A1

CAGE CODE

00779

DRAWING NO

C621193

SCALE

2:1

SHEET

1

OF

1

REV

C