

8

7

6

5

4

3

2

1

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LOC

DIST

GP

00

REV

PER

ECO-09-020615

DATE

17SEPT09

DWN

RG

APVD

EH

REVISIONS

DESCRIPTION

DATE

DWN

APVD

PIN 1 DESIGNATOR

PIN 1

PIN OMITTED SEE TABLE

MOLDED-IN KEY SEE TABLE

PIN 31

PIN 32

PIN 62

9.35^{+0.13}_{-0.25}

.368^{+0.005}_{-.010}

0.94±0.05
[.037±.002]

A ±0.08
[±.003]

12.00
[.472]
2 PLC

4.57
[.180]

AMP

7

13.97
[.550]

1.52
[.060]

30 SPACES AT

2.54
[.100]

76.20
[3.000]

82.53
[3.250]

100.20
[3.945]

CARD SLOT ACCEPTS
1.37-1.78 [.054-.070]
PRINTED CIRCUIT BOARD

POINT OF MEASUREMENT

1.14 CONTACT AREA
[.045]

0.38
[.015]

7.49
[.295]

15.49_{REF}
[.610]

3.94
[.155]

±0.51
[±.020]

W

Φ[0.51 [.020] ◎

4.85
[.191]

1

HOUSING: GLASS-FILLED POLYESTER, BLACK.

2

CONTACT: HIGH CONDUCTIVITY COPPER ALLOY.

3

NICKEL PLATE: 1.27µm[.000050] MIN - ALL OVER.

4

TIN-LEAD PLATE: 2.54µm[.000100] MIN - SOLDER POSTS.

5

GOLD PLATE: 0.76µm[.000030] MIN - CONTACT AREA.

6

KEEP OUT ZONE APPLIES TO BOTH SIDES OF PC BOARD (FRONT AND BACK).

7

AMP PART NUMBER, DATE CODE AND CSA LOGO MARKED
IN APPROXIMATE AREA SHOWN, EITHER SIDE.

8

DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

9

4 OUNCE COPPER REQUIRED.

10

RETAINING CLIP: STAINLESS STEEL, NOT INCLUDED WITH CONNECTOR.

11

ELECTRICAL PERFORMANCE OF THIS CONNECTOR IS DIRECTLY RELATED
TO THE VRM POWER MODULE BOARD DESIGN AND MAY BE AFFECTED BY
CHANGES TO THAT DESIGN.

12

CONNECTOR PERFORMANCE IS BASED UPON INFORMATION FROM THE VRM 9.0 AND 9.1
MODULE BOARD DESIGN STANDARD.

13

CONNECTORS SHOWN ARE USED IN APPLICATIONS WITH VRM MODULES WEIGHING UP TO 6 OUNCES.
ALTERNATIVE CONNECTOR AND LATCHING METHOD IS AVAILABLE FOR VRM MODULES WEIGHING 3 OUNCES AND
LESS, CONSULT AMP ENGINEERING FOR ADDITIONAL INFORMATION.

14

ONE HOLE OMITTED FOR POLERIZATION, SEE TABLE FOR LOCATION.

15

RECOMMENDED FINISHED HOLE SIZES

TIN PLATED HOLE

φ1.02±0.08
[φ.040±.003]

GOLD PLATED HOLE

φ1.07±0.05
[φ.042±.002]

13

4.75
[.187]

51.90
[2.043]

29.03
[1.140]

19

10

26.67
[1.050]

6

11,12

9.05,+12V

31

1489652-4

13

3.18
[.125]

69.60
[2.740]

11.18
[.440]

26

3

8.89
[.350]

6

4,5

9.1,+48V

31

1489652-2

W

E

D

C

B

A

OMIT
PIN AND
HOLE

MOLDED KEY
BETWEEN
PINS

VRM
DESIGNATION

NO. OF
DUAL
POSN

PART
NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
B. CARBO
22 OCT 01

CHK
A. FRANTUM
22 OCT 01

APVD
A. FRANTUM
22 OCT 01

NAME

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± 0.25 [.01]
3 PLC ± 0.13 [.005]
4 PLC ± - ± 2°
ANGLES

PRODUCT SPEC

APPLICATION SPEC

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

MATERIAL

FINISH

WEIGHT

1489652

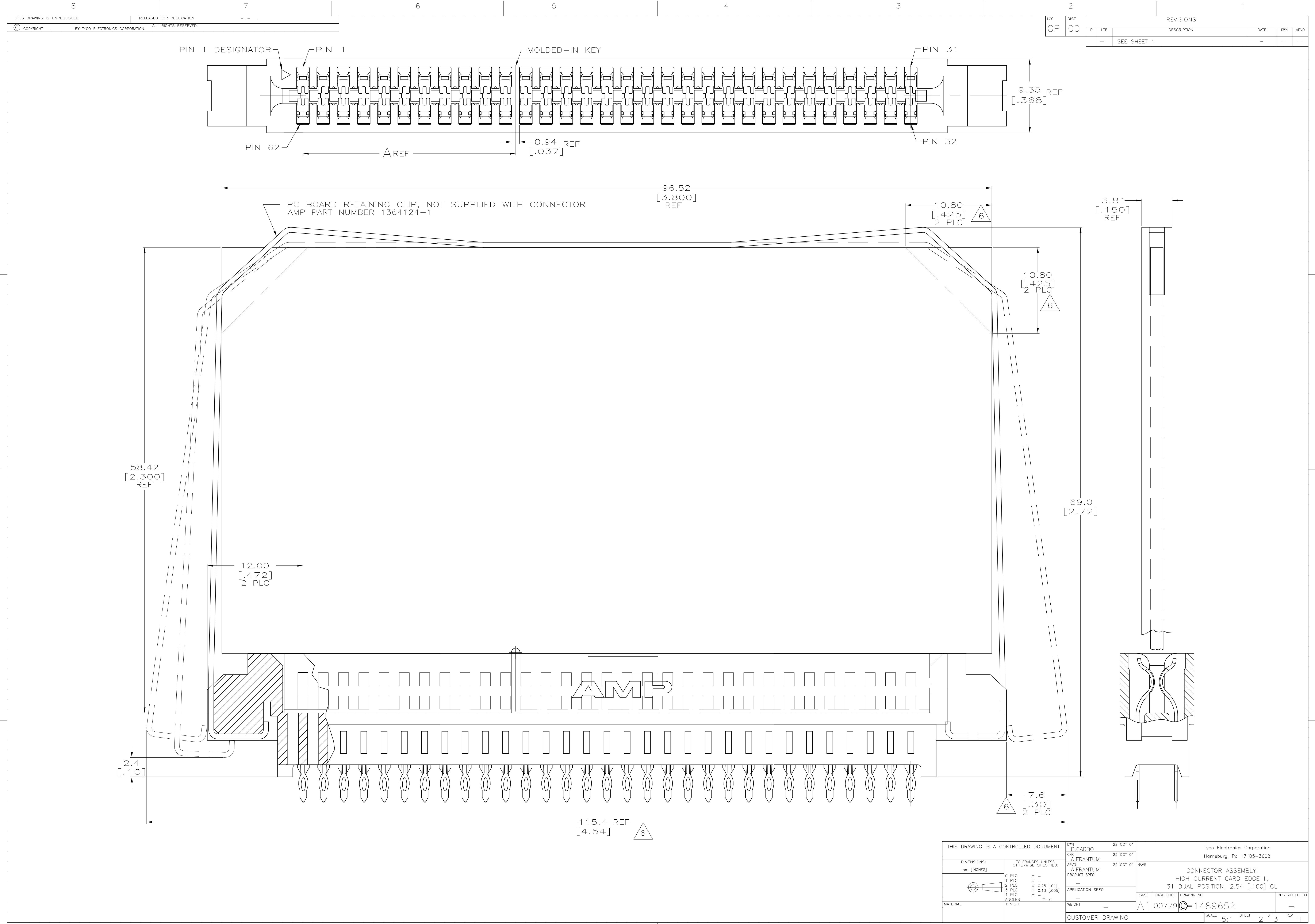
CUSTOMER DRAWING

SCALE 5:1

SHEET 1 OF 3

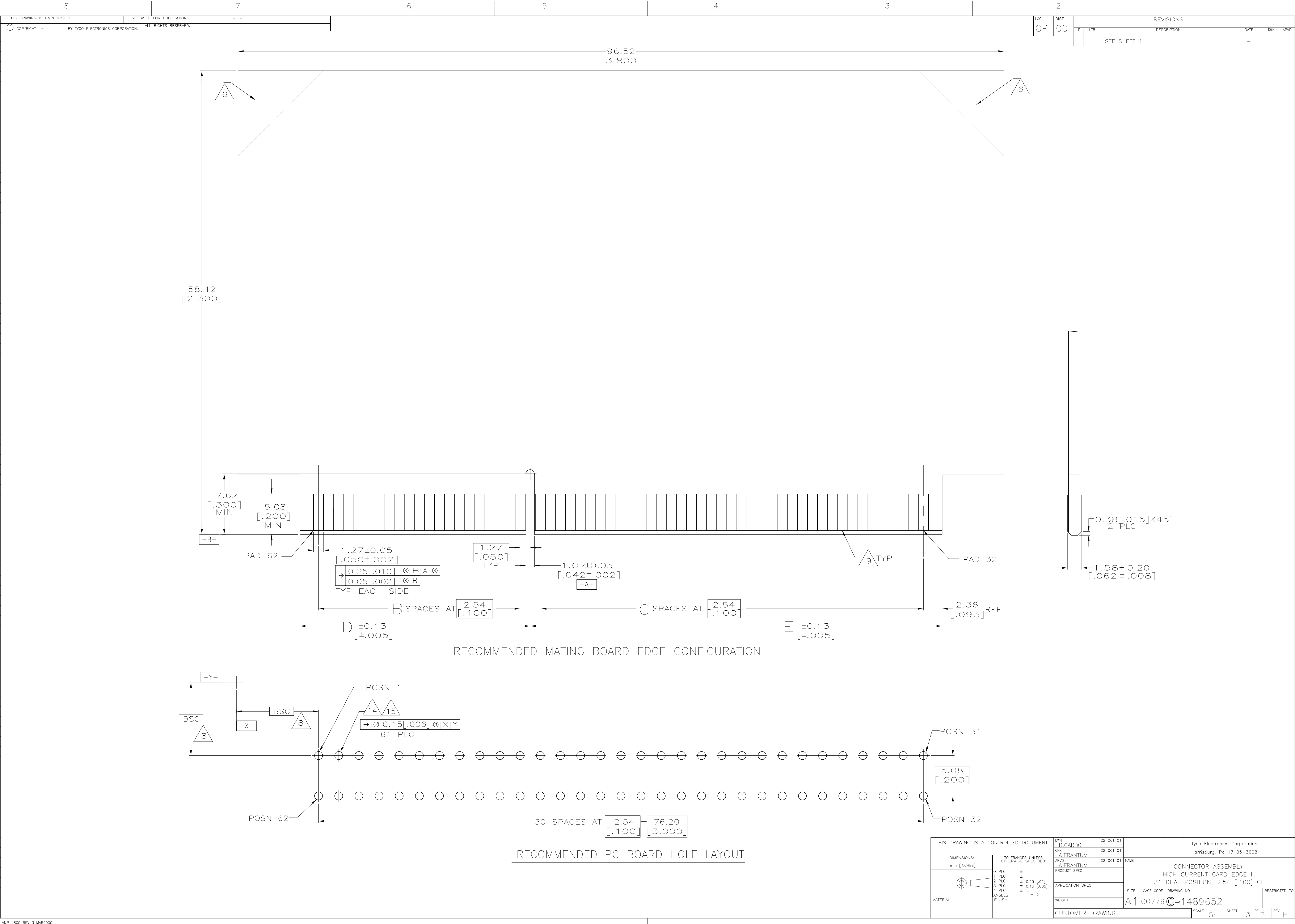
REV H

AMP 4805 REV 31MAR2000



LOC		DIST		REVISONS			
GP		00		REV	DATE	BY	APP
—		—		SEE SHEET 1	—	—	—

THIS DRAWING IS A CONTROLLED DOCUMENT.				Tyco Electronics Corporation Harrisburg, Pa 17105-3608			
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME			
		0 PLC ± —		PRODUCT SPEC			
		1 PLC ± —		APPLICATION SPEC			
		2 PLC ± 0.25 [.01]		SIZE			
		3 PLC ± 0.13 [.005]		CAGE CODE			
MATERIAL		FINISH		DRAWING NO			
				RESTRICTED TO			
				A1 00779 1489652			
				CUSTOMER DRAWING			
				SCALE 5:1 SHEET 2 OF 3 REV H			



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