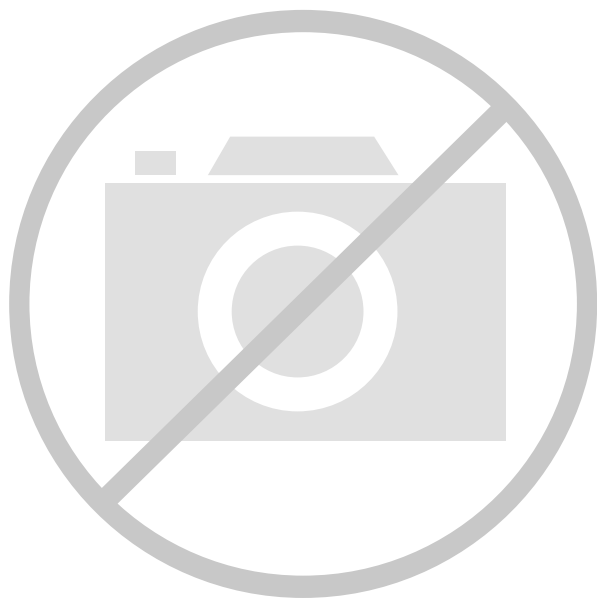




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Understanding [Embedded - FPGAs \(Field Programmable Gate Array\)](#)

Embedded - FPGAs, or Field Programmable Gate Arrays, are advanced integrated circuits that offer unparalleled flexibility and performance for digital systems. Unlike traditional fixed-function logic devices, FPGAs can be programmed and reprogrammed to execute a wide array of logical operations, enabling customized functionality tailored to specific applications. This reprogrammability allows developers to iterate designs quickly and implement complex functions without the need for custom hardware.

Applications of Embedded - FPGAs

The versatility of Embedded - FPGAs makes them indispensable in numerous fields. In telecommunications.

Details

Product Status	Obsolete
Number of LABs/CLBs	7776
Number of Logic Elements/Cells	34992
Total RAM Bits	589824
Number of I/O	724
Number of Gates	2188742
Voltage - Supply	1.71V ~ 1.89V
Mounting Type	Surface Mount
Operating Temperature	0°C ~ 85°C (TJ)
Package / Case	1156-BBGA
Supplier Device Package	1156-FBGA (35x35)
Purchase URL	https://www.e-xfl.com/product-detail/xilinx/xcv1600e-6fg1156c

4

3

2

1

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RELEASED FOR PUBLICATION

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

A

REVISED PER 0G3B-0626-04

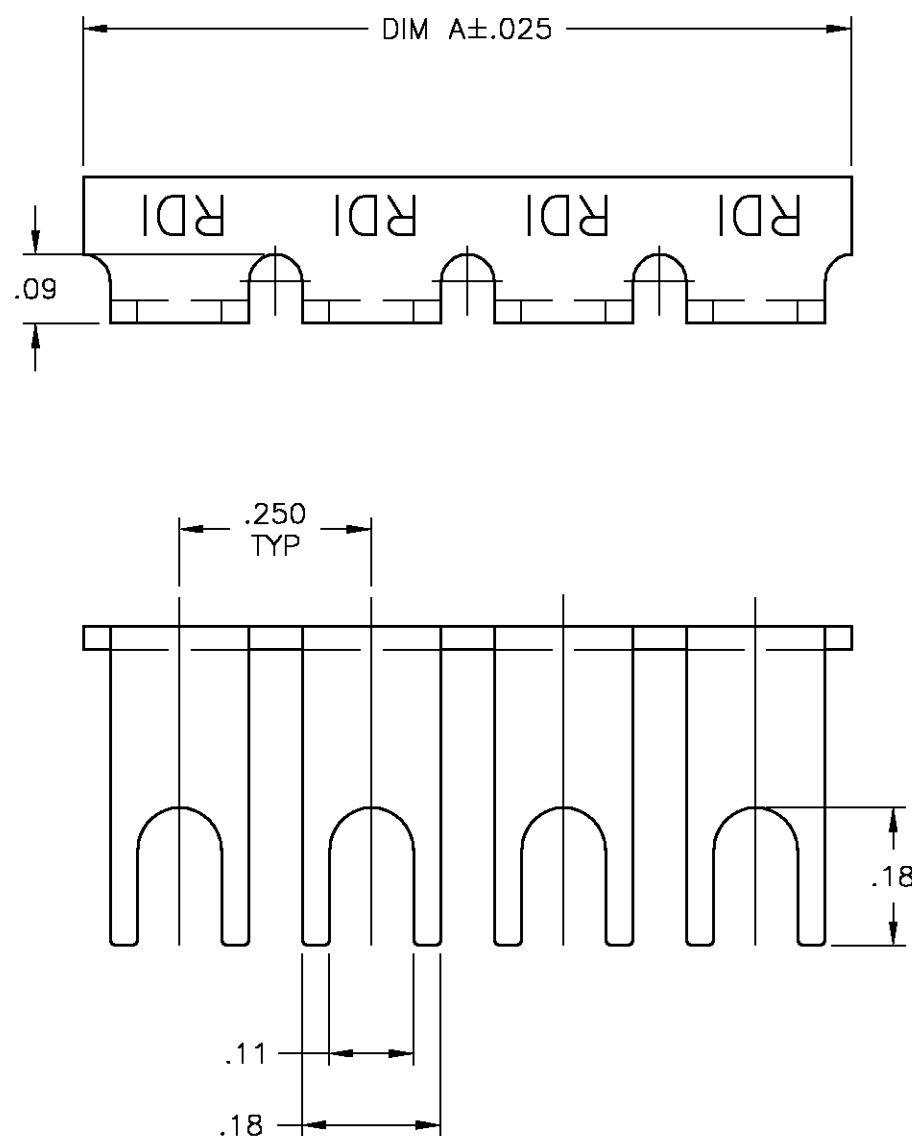
7/19/04

SS

SRY

NOTES:

1 MATERIAL: .030 THK BRASS, TINNED.



8.000	J3-32	32	3-1776060-2
7.750	J3-31	31	3-1776060-1
7.500	J3-30	30	3-1776060-0
7.250	J3-29	29	2-1776060-9
7.000	J3-28	28	2-1776060-8
6.750	J3-27	27	2-1776060-7
6.500	J3-26	26	2-1776060-6
6.250	J3-25	25	2-1776060-5
6.000	J3-24	24	2-1776060-4
5.750	J3-23	23	2-1776060-3
5.500	J3-22	22	3-1437644-5
5.250	J3-21	21	2-1776060-1
5.000	J3-20	20	2-1776060-0
4.750	J3-19	19	1-1776060-9
4.500	J3-18	18	1-1776060-8
4.250	J3-17	17	1-1776060-7
4.000	J3-16	16	1-1776060-6
3.750	J3-15	15	1-1776060-5
3.500	J3-14	14	1-1776060-4
3.250	J3-13	13	1-1776060-3
3.000	J3-12	12	1-1776060-2
2.750	J3-11	11	1-1776060-1
2.500	J3-10	10	1-1776060-0
2.250	J3-09	9	1776060-9
2.000	J3-08	8	3-1437644-6
1.750	J3-07	7	1776060-7
1.500	J3-06	6	1776060-6
1.250	J3-05	5	1776060-5
1.000	J3-04	4	1776060-4
.750	J3-03	3	1-1437656-0
.430	J3-02	2	3-1437644-4
DIM A	CATALOG NUMBER	NO. OF POS.	PART NO.

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DWN S SCHLEGEL 26APR04

CHK S YODER 4/26/04

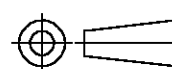
APVD S YODER 4/26/04

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:
INCHES

MATERIAL

TOLERANCES UNLESS
OTHERWISE SPECIFIED:0 PLC ± -
1 PLC ± -
2 PLC ± .02
3 PLC ± .010
4 PLC ± -
ANGLES ± 1°

FINISH

BUCHANAN

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME

J3-XX JUMPER

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-3-1437644-5

SCALE 4:1

SHEET 1 OF 1

REV A