

ExaMAX[®]



EBTM-6-12-2.0-S-VT-1



EBTM-4-08-2.0-S-VT-1-L-G

(2.00 mm) .0787"

ExaMAX[®] BACKPLANE SYSTEM

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?EBTM-VT or www.samtec.com?EBTM-RA

Insulator Material: Liquid Crystal Polymer
Contact Material: Copper Alloy

Plating: Sn or Au over 50 μm (1.27 μm) Ni
Operating Temp Range: -55 °C to +85 °C
Current Rating: 4.2 A per pin (1 pin powered)
Contact Wipe: 2.4 mm
RoHS Compliant: Yes

Mates with:
EBTF-RA

PAM 4

56
Gbps

APPLICATION

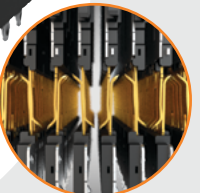


2.00 mm column pitch

Provides exceptionally low mating force while maintaining excellent normal force



Press-fit termination



Two reliable points of contact with 2.4 mm wipe

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



EBTM

NO. OF PAIRS PER COLUMN

COLUMNS

COLUMN PITCH

-4 = 4 Pairs
-6 = 6 Pairs

-06
-08
-10
-12
(-6 pairs only)

-2.0
= (2.0 mm)
.0787"

ALSO AVAILABLE (MOQ Required)

- Staging

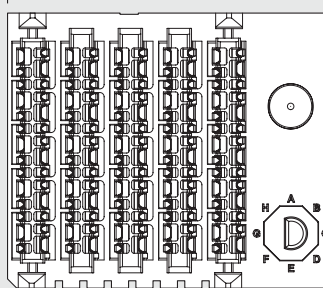
TOOLING

- For press-fit extraction and insertion tool options, visit www.samtec.com/tooling

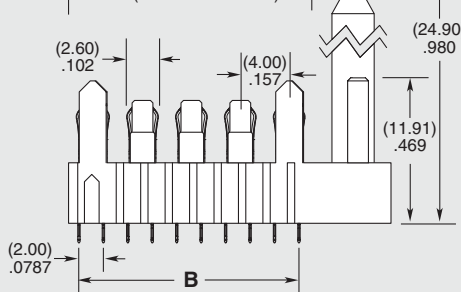
| GUIDANCE (EBTM-VT) | KEYING | | | | | | | |
|--------------------|--------|----|----|----|----|----|----|----|
| | -A | -B | -C | -D | -E | -F | -G | -H |
| -L /-R | | | | | | | | |

| COLUMNS | A | B | C |
|---------|-----------------|-----------------|------------------|
| -06 | (11.90) .469 | (10.00) .394 | (18.35) .722 |
| -08 | (15.90) .626 | (14.00) .551 | (22.35) .880 |
| -10 | (19.90) .783 | (18.00) .709 | (26.35) 1.037 |
| -12 | (23.90) .941 | (22.00) .866 | (30.35) 1.195 |

C (With Guidance)

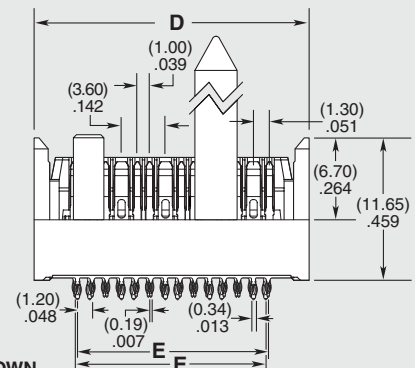


A (Without Guidance)



EBTM-4-10-2.0-S-VT-1-L-G SHOWN

| NO. OF PAIRS PER COLUMN | D | E |
|-------------------------|------------------|-----------------|
| -4 | (22.50) .886 | (15.60) .614 |
| -6 | (29.70) 1.169 | (22.80) .898 |



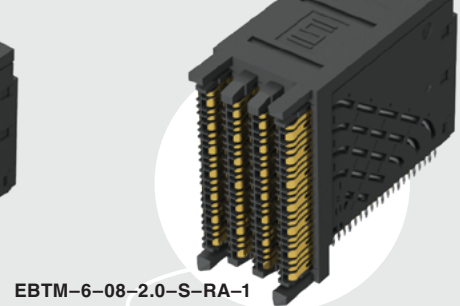
Notes: Some lengths, styles and options are non-standard, non-returnable.

ExaMAX[®] is a registered trademark of AFCI.

Due to technical progress, all designs, specifications and components are subject to change without notice.

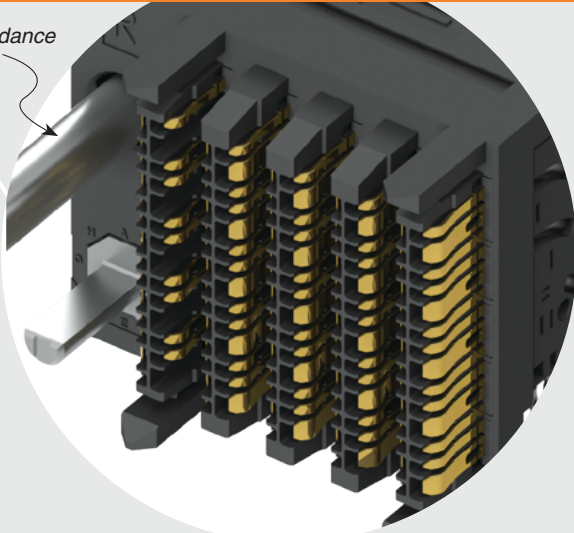
WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

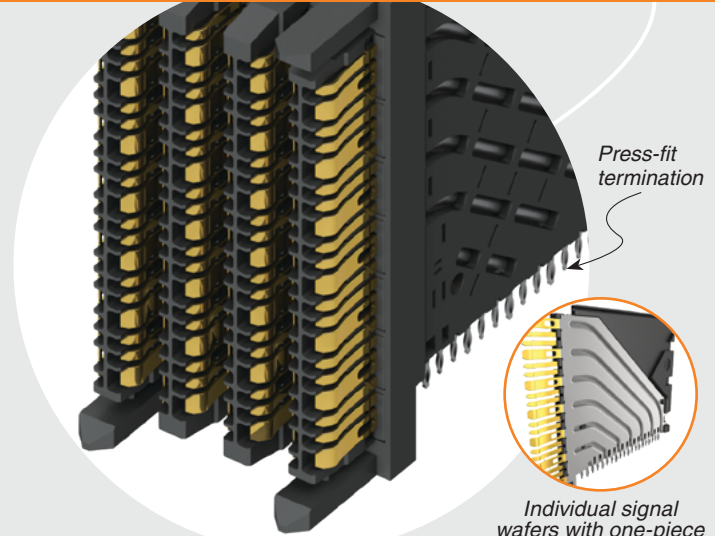


EBTM-VT, EBTM-RA SERIES

Guidance



Press-fit termination



Individual signal wafers with one-piece ground plane

PLATING

-S
= 30 μ" (0.76 μm)
Gold on contact area,
Matte Tin on tail

ORIENTATION

-VT
= Vertical
-RA
= Right-angle

1

GUIDANCE

(Leave Blank for no Guidance)

-L = Left Guidance
-R = Right Guidance

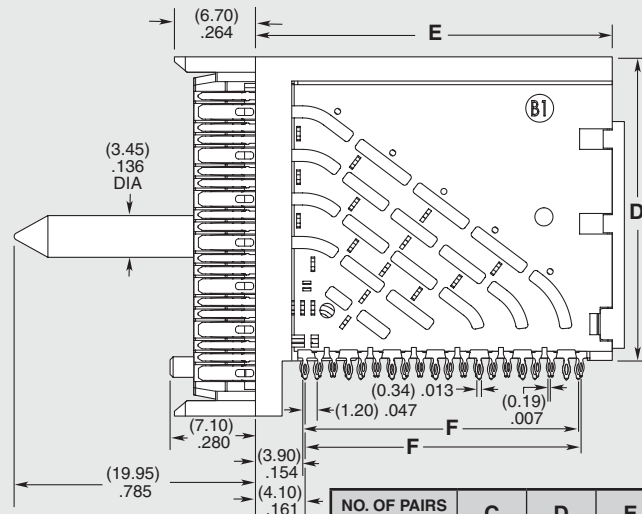
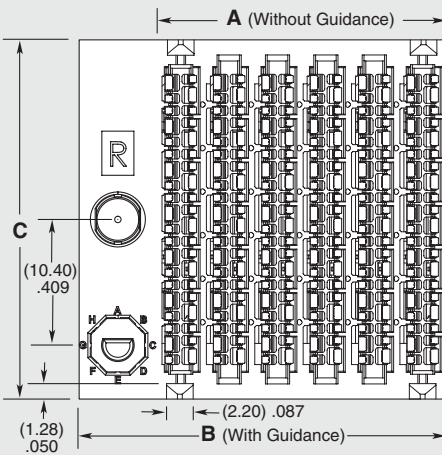
KEYING

(Only available with -L or -R guidance)

(Leave Blank for no keying)

-A thru -H
= Position of flat on Key
(See table for Key)

| COLUMNS | A | B |
|---------|-----------------|------------------|
| -06 | (11.90) .469 | (18.35) .722 |
| -08 | (15.90) .626 | (22.35) .880 |
| -10 | (19.90) .783 | (26.35) 1.037 |
| -12 | (23.90) .941 | (30.35) 1.195 |



EBTM-6-12-2.0-S-RA-1-R-A SHOWN

| GUIDANCE (EBTM-RA) | KEYING | | | | | | | |
|-----------------------|--------|----|----|----|----|----|----|----|
| | -A | -B | -C | -D | -E | -F | -G | -H |
| -R / -L | | | | | | | | |

| NO. OF PAIRS PER COLUMN | C | D | E | F |
|-------------------------|------------------|-----------------|------------------|-----------------|
| -4 | (22.50) .886 | (17.90) .705 | (23.30) .917 | (15.60) .614 |
| -6 | (29.70) 1.169 | (25.10) .988 | (30.50) 1.201 | (22.80) .898 |

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