



(0,80mm) .0315"

EEDP SERIES

EEDP-016-06.00-RA1-RA1-4

EEDP-016-08.00-DS1-RA2-1

# HIGH SPEED EDGE CARD CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?EEDP](http://www.samtec.com?EEDP)

### Cable:

30 AWG  
twinax micro ribbon

### Signal Routing:

100Ω Differential

### Cable Bending Radius:

(11,11mm) 7/16" min

### Current Rating:

1 A max

### Propagation Delay:

4.67 nsec/meter

### Operating Temp Range:

-20°C to +90°C

### Skew (pair-to-pair):

<10 ps/ft

### Skew (within a pair):

<5 ps/ft

### EMI Performance:

FCC Class A

### Pinout Map:

See web address above

### RoHS Compliant:

Yes

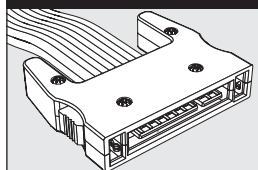


FILE NO. E71636

Mates with:  
MEC8-02-RA, HSEC8



## APPLICATIONS



Latching system option for rugged applications.

100Ω  
Differential  
Pair Routing

Mates with  
Vertical and  
Right Angle  
connectors  
on board

Captive Panel Screw and  
Latching Options

30 AWG  
twinax ribbon  
cable

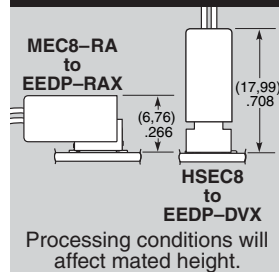
| Cable Length  | Rated @ 7dB Insertion Loss |
|---------------|----------------------------|
| 19.68" (0,5m) | 7.25 GHz / 14.50 Gbps      |
| 39.37" (1m)   | 3.42 GHz / 6.84 Gbps       |

Performance and complete test data available at [www.samtec.com?EEDP](http://www.samtec.com?EEDP) or contact [sig@samtec.com](mailto:sig@samtec.com)

## APPLICATION SPECIFIC

- Customized routings
  - Board hardware for mounting with right angle captive screws (RAH-01)
  - Other terminations
  - Other lengths
- Contact Samtec.

## APPLICATIONS



| CABLE   | CONNECTOR      |
|---------|----------------|
| EEDP-08 | HSEC8/MEC8-113 |
| EEDP-16 | HSEC8/MEC8-125 |
| EEDP-24 | HSEC8/MEC8-137 |
| EEDP-32 | HSEC8/MEC8-149 |

**Note:**  
Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

**Note:**  
This Series is non-standard, non-returnable.

EEDP

NO. OF  
PAIRSWIRE  
LENGTHEND  
NO. 1END  
NO. 2WIRING  
OPTION

-008, -016,  
-024, -032

— "XX.XX"  
= Wire Length  
in Inches  
(43,7mm) 01.72"  
minimum

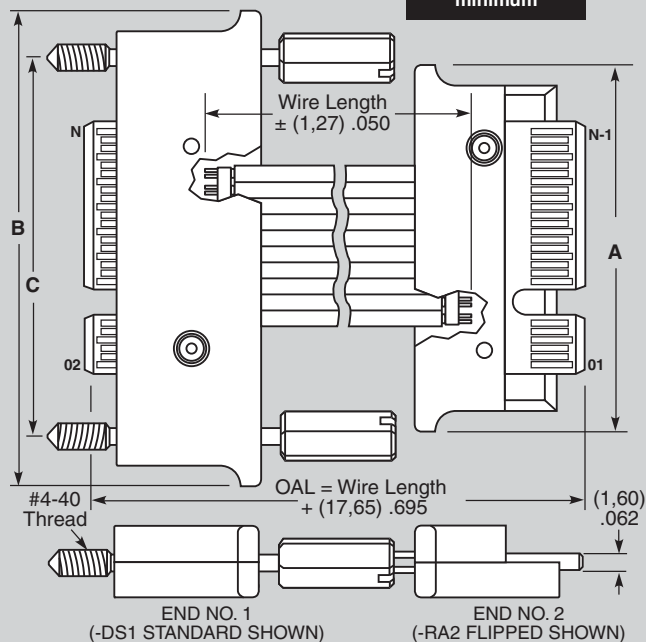
Specify  
END OPTION  
from chart

—1  
= Pin 1 to  
Pin 1

—2  
= Pin 1 to  
Pin 2

—3  
= Pin 1 to  
Pin N-1  
(-024 N/A)

—4  
= Pin 1 to  
Pin N  
(-024 N/A)



| END OPTION | ASSEMBLY                 |
|------------|--------------------------|
| -DVX       | Vertical                 |
| -DSX       | Vertical with Screws     |
| -RAX       | Right Angle              |
| -RSX       | Right Angle with Screws  |
| -LVX       | Vertical with Latches    |
| -RLX       | Right Angle with Latches |

Specify X=1 for standard orientation;  
X=2 for flipped orientation  
(XX1 to XX1 and XX2 to XX2  
require -3 or -4 wiring)  
(XX1 to XX2 and XX2 to XX1  
require -1 or -2 wiring)

| NO. OF<br>PAIRS | A                | B                | C                |
|-----------------|------------------|------------------|------------------|
| -008            | (24,51)<br>.965  | (34,67)<br>1.365 | (26,00)<br>1.024 |
| -016            | (35,10)<br>1.382 | (45,26)<br>1.782 | (35,99)<br>1.417 |
| -024            | (44,70)<br>1.760 | (54,86)<br>2.160 | (45,01)<br>1.772 |
| -032            | (53,31)<br>2.099 | (63,47)<br>2.499 | (54,00)<br>2.126 |

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

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