

(1.50 mm) .059" X (1.75 mm) .069"

TPAR-H-H-H-35-S

TPAR-H-35-S

TPAR SERIES

HIGH-SPEED ELEVATED ARRAY RISER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?TPAR

Insulator Material:

LCP

Contact Material:

Copper Alloy

Operating Temp Range:

-55 °C to +125 °C

Plating:

Au over 50 μ " (1.27 μ m) Ni

Working Voltage:

165 VAC / 230 VAC

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

RECOGNITIONS

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



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- 18 to 40 mm mated heights

TOOLING

- Installation Cap: CAT-PT-TPAR-X



- Removal Tool: CAT-EX-TPAR-X



Notes:

Entire system requires TPAF-D, TPAF-M and TPAR.

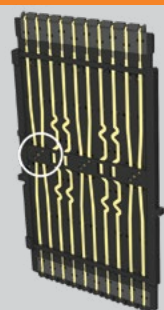
Tray is standard packaging

Dual source for Hirose IT5.

Some sizes, styles and options are non-standard, non-returnable.

Mates with:
TPAF-D, TPAF-M

WAFER DESIGN



Cutaway shown for clarity



Polarity-swapping technology greatly reduces crosstalk in 100 Ω , differential applications.

Elevated stack heights allow better system air flow

35 mm standard mated height achieved when mated with TPAF-M and TPAF-D

HIGH-SPEED CHANNEL PERFORMANCE

TPAF/TPAR @ 35 mm Stack Height

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com or contact SIG@samtec.com

28
Gbps

TPAR

MODULE 1

MODULE 2

MODULE 3

LEAD STYLE

PLATING OPTION

-H

= Helical
Crosstalk Cancellation

-H

= Helical
Crosstalk
Cancellation
(Leave blank for
module 1 only)

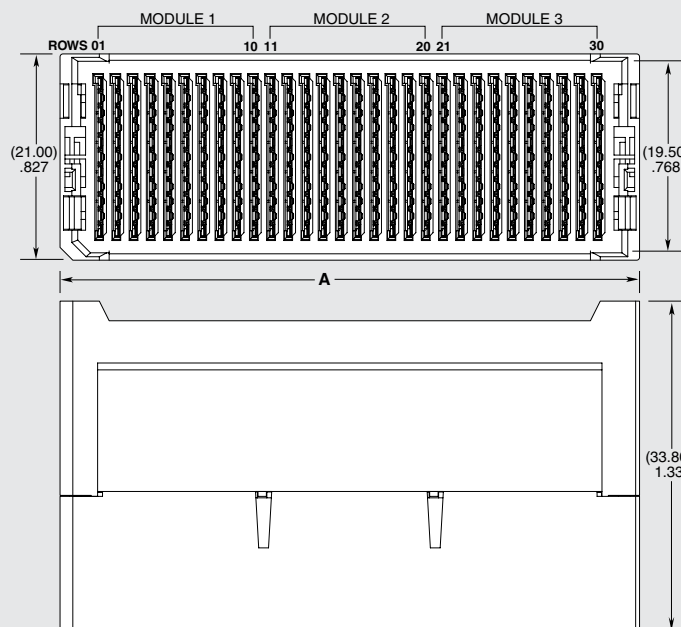
-H

= Helical
Crosstalk
Cancellation
(Leave blank for
module 1 or 2 only)

-35
= 35 mm

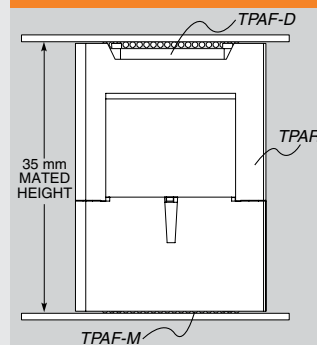
-S

= 30 μ "
(0.76 μ m)
Gold on
contact
area



MODULES	PAIRS	A
1	50	(24.00) .945
2	100	(41.50) 1.634
3	150	(59.00) 2.323

MATED HEIGHT



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.
Components must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.