

(0.50 mm) .0197"

ASP-187092-03

ASP-187092-06

ASP-187091-04

ASP-187091-05

ASP-187091, ASP-187092 SERIES

ULTRA LOW PROFILE HEADER & SOCKET

ASP-187091 Mates with:
ASP-187092

ASP-187092 Mates with:
ASP-187091

SPECIFICATIONS

For complete specifications
see www.samtec.com/asp/glenair.aspx

Insulator Material:
Black Liquid Crystal Polymer

Contact Material:

Copper Alloy

Weld Tab:

Bronze

Plating:

Au over 50µ" (1.27 µm) Ni

Current Rating:

1.8 A per pin

(1 pin powered per row)

Operating Temp Range:

-55°C to +125°C

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max

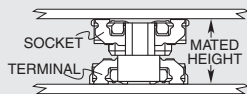
RECOGNITIONS

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



FILE NO. E111594

MATED HEIGHT



MATED HEIGHT*		
SOCKET LEAD STYLE	TERMINAL LEAD STYLE	
	-0.50	-1.00
-1.50	(2.00) .079	(2.50) .098
-2.00	(2.50) .098	(3.00) .118

*Processing conditions will
affect mated height.

Note: Patent Pending

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

NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	D	OPTION	TR
-010, -020, -030 (Per Row)	-1.50 = 1.50 mm -2.00 = 2.00 mm	-G = 10µ" (0.25 µm) Gold		-A = Alignment Pin -K = (3.00 mm) .118" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel

No. of positions per row
x (0.50) .01969
+ (6.38) .251

(4.70) .185

(0.50) .0197

(0.15) .006

(0.75) .030

(4.60) .181

(0.65) .026

(0.80) .031

(0.60) .024

(0.80) .031 DIA

-A

LEAD STYLE	A
-1.50	(1.83) .072
-2.00	(2.33) .092

Socket ASP Order Number	Corresponding Obsolete Part Number
ASP-187091-01	SSH-010-1.50-G-D-A-K-TR
ASP-187091-02	SSH-010-2.00-G-D-A-K-TR
ASP-187091-03	SSH-020-1.50-G-D-A-K-TR
ASP-187091-04	SSH-020-2.00-G-D-A-K-TR
ASP-187091-05	SSH-030-1.50-G-D-A-K-TR
ASP-187091-06	SSH-030-2.00-G-D-A-K-TR

2 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	18.5 GHz / 37 Gbps
Differential Pair Signaling	16.5 GHz / 33 Gbps

*Test board losses de-embedded from performance data.
Complete test data available at www.samtec.com/asp/glenair.aspx

NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	D	OPTION	TR
-010, -020, -030 (Per Row)	-0.50 = 0.50 mm -1.00 = 1.00 mm	-G = 10µ" (0.25 µm) Gold		-A = Alignment Pin -K = (3.00 mm) .118" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel

No. of positions
per row x
(0.50) .01969
+ (3.40) .134

(4.70) .185

(0.50) .0197

(0.20) .008

(0.75) .030

(4.60) .181

(0.65) .026

(5.00) .197

-A

LEAD STYLE	A
-0.50	(1.43) .056
-1.00	(1.93) .076

Terminal ASP Order Number	Corresponding Obsolete Part Number
ASP-187092-01	STH-010-0.50-G-D-A-K-TR
ASP-187092-02	STH-010-1.00-G-D-A-K-TR
ASP-187092-03	STH-020-0.50-G-D-A-K-TR
ASP-187092-04	STH-020-1.00-G-D-A-K-TR
ASP-187092-05	STH-030-0.50-G-D-A-K-TR
ASP-187092-06	STH-030-1.00-G-D-A-K-TR