

ASP-187092-03



ASP-187092-06



ASP-187091-04



ASP-187091-05



(0.50 mm) .0197"

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](http://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

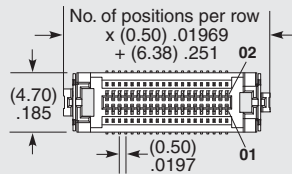
## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

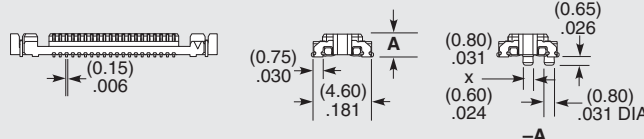


FILE NO. E111594

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



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



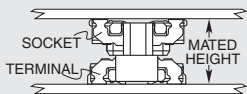
2 mm Stack Height	Rated @ 3dB Insertion Loss*
Single-Ended Signaling	18.5 GHz / 37 Gbps
Differential Pair Signaling	16.5 GHz / 33 Gbps

\*Test board losses de-embedded from performance data.  
Complete test data available at [www.samtec.com/asp/glenair.aspx](http://www.samtec.com/asp/glenair.aspx)

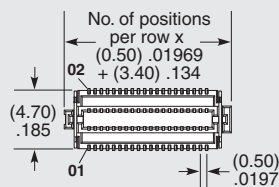
28 Gbps

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

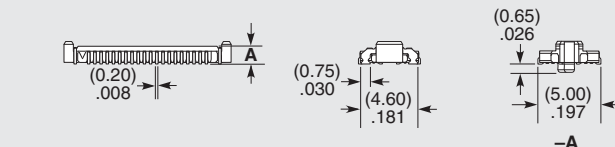
## MATED HEIGHT



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



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

Note: Patent Pending

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