

**SO SERIES** 

## PRECISION BOARD STACKING STANDOFF

## Ideal for use with all Samtec SI connectors APPLICATIONS **SPECIFICATIONS** For complete specifications and recommended PCB layouts see www.samtec.com?SO Precision machined tolerances (± .002" (0,05mm)) Aluminum Locking Compound: · Precision machined · Locking compound **APPLICATIONS** Stack heights from 5mm to 30mm -03 **APPLICATION SPECIFIC OPTION** Stainless Steel Standard Nylon #4-40 thread locking Locking compound removed

15,24mm Optimized (0,44) .017

See QMS/QFS Series for StackableUSB™, SUMIT & PCI/104-Express connectors

Requires Standoff SO-1524-03-01-02-L 15,24mm board spacing. Connectors designed to not fully seat when mated.

See next page for more applications!

BOARD STACKER	A	BOARD STACK HEIGHT	
-0515	(5,15) .203	5mm	
-0715	(7,15) .282	7mm	
-0815	(8,15) .321	8mm	
-0865	(8,65) .341	8,5mm	
-0915	(9,15) .360	9mm	
-1015	(10,15) .400	10mm	
-1115	(11,15) .439	11mm	
-1215	(12,15) .478	12mm	
-1315	(13,15) .518	13mm	
-1415	(14,15) .557	14mm	
-1515	(15,15) .597	15mm	
-1524	(15,24) .600	15,24mm	
-1615	(16,15) .636	16mm	
-1890	(18,90) .744	18,75mm	
-1915	(19,15) .754	19mm	
-2015	(20,15) .793	20mm	
-2215	(22,15) .872	22mm	
-2515	(25,15) .990	25mm	
-3015	(30,15) 1.187	30mm	

Note:

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



from chart

# 4-40

Nut (2)

-02

# 4-40

Thread

(4,76) .188

(4,76)

.188

SO

**BOARD** 

**STACKER** 

Screw

(4,76)

188

188

-01 Specify BOARD STACKER Female Thread/Press-In (-0515 thru -0915 only)

> -02 = Male/Male Thread (-0515 thru -0715 and -1015 thru –2515 only)

Thread

LEAD

STYLE

-03= Male/Female Thread (-0815 thru –2515 only)

= Female/Female Thread (-1415 thru -2515 only)

> # 4-40 Thread

(1,52)

(4,67)

Thread -03

-01 = #4-40 Thread

**THREAD** 

STYLE

compound

-02 = M3 x 0.5 Thread

# 4-40

Screw

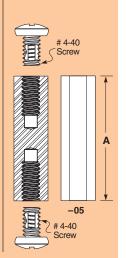
(6,35)

250 DIA Call Samtec. 01

No Hardware

· Other materials and threading

= -02 & -03 Lead Style thread locking compound (Leave blank for -01 Lead Style)



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

WWW.SAMTEC.COM

Components are to be packaged in separate bags unassembled.









**SO SERIES** 

## STACKING STANDOFF APPLICATIONS



Stack Height	Type Interconnect	Trade Name	Series Name	Pitch	Standoff
		Q Series®	QTH/QSH	.5mm	4
		B Series	BTH/BSH QTS/QSS	.5mm	SO-0515-01-01-01
	Strip	Q Series® Q Series®	MIT/MIS	.635mm .635mm	
	Culp	B Series	BTS/BSS	.635mm	00 00 10 01 01 01
		Q Series®	QTE/QSE	.8mm	
		B Series	BTE/BSE	.8mm	
7 mm	Strip	Edge Rate™	ERM8/ERF8	.8mm	SO-0715-01-01
8 mm Strip	SEARAY™	SEAM/SEAF	1.27mm	00 07 10 07 07 01	
		Q Series® B Series	QTH/QSH BTH/BSH*	.5mm .5mm	SO-0815-01-01-01
	Strip	Q Series®	QTS/QSS	.635mm	
		Q Series®	MIT/MIS	.635mm	
		B Series	BTS/BSS*	.635mm	
		Q Series®	QTE/QSE	.8mm	
	A	B Series	BTE/BSE	.8mm	
0.5	Array	SEARAY™ SEARAY™	SEAM/SEAF	1.27mm 1.27mm	SO-0865-01-01-01
8.5 mm	Array	Q2™	SEAM/SEAF QMS/QFS	.635mm	50-0865-01-01-01
	Strip	Edge Rate™	ERM8/ERF8	.8mm	SO-1015-02-01-01-L
10 mm		SEARAY™	SEAM/SEAF	1.27mm	
	Array	DP Array®	DPAM/DPAF	2.16mm	1
		Q Series®	QTH/QSH	.5mm	
		B Series	BTH/BSH*	.5mm	
		Q Series <sup>®</sup>	QTS/QSS*	.635mm	
11 mm	Ctrin	Q2 <sup>™</sup> Q2 <sup>™</sup>	QMS/QFS	.635mm	SO-1115-02-01-01-L
11 mm	Strip	Q Series®	QMSS/QFSS MIT/MIS*	.635mm .635mm	30-1115-02-01-01-L
		B Series	BTS/BSS*	.635mm	†
		Q Series®	QTE/QSE	.8mm	
		B Series	BTE/BSE*	.8mm	
	Strip	Q2™	QMS/QFS	.635mm	
12 mm		Edge Rate™ SEARAY™	ERM8/ERF8	.8mm	SO-1215-02-01-01-L
Array Strip	Array	Q Series®	SEAM/SEAF QTH/QSH*	1.27mm .5mm	SO-1415-02-01-01-L
		Q2 <sup>™</sup>	QMS/QFS	.635mm	
	Strip	Edge Rate™	ERM8/ERF8	.8mm	
		Q Series®	QTE/QSE*	.8mm	
		B Series	BTE/BSE*	.8mm	
Array	Array	SEARAY™	SEAM/SEAF	1.27mm	
15		DP Array®	DPAM/DPAF	2.16mm	CO 1515 00 01 01 I
15 mm	Strip	Q Series®	QTE/QSE	.8mm	SO-1515-02-01-01-L
15.24 mm	Strip	Q2™	QMS/QFS	.635mm	SO-1524-02-01-01-L SO-1524-03-01-01-L
		Q Series®	QTH/QSH	.5mm	SO-1615-02-01-01-L
		B Series	BTH/BSH*	.5mm	
		Q Series®	QTS/QSS*	.635mm	
		Q2™	QMS/QFS	.635mm	
16 mm	Strip	Q Series®	MIT/MIS*	.635mm	
		B Series Q Series®	BTS/BSS* QTE/QSE	.635mm .8mm	
		Edge Rate™	ERM8/ERF8	.8mm	
		B Series	BTE/BSE*	.8mm	
	Array	SEARAY™	SEAM/SEAF	1.27mm	
18.75 mm	Strip	Q Series®	MIT/MIS*	.635mm	SO-1890-02-01-01-L
		Q Series®	QTH/QSH	.5mm	
10	04:	B Series	BTH/BSH*	.5mm	00 4045 00 04 04
19 mm	Strip	Q Series®	QTE/QSE	.8mm	SO-1915-02-01-01-L
		RiseUp® B Series	RU8 BTE/BSE*	.8mm	-
00	Strip	RiseUp®	RU8*	.8mm	00 0045 00 04 01
20 mm	Array	HD Mezz***	HDAM/HDAF	1.2mm	SO-2015-02-01-01-L
		Q Series®	QTH/QSH*	.5mm	
		B Series	BTH/BSH*	.5mm	
22 mm	Strip	Q Series®	MIT/MIS*	.635mm	SO-2215-02-01-01-L
		Q Series® B Series	QTE/QSE* BTE/BSE*	.8mm	
		Q Series®	QTH/QSH	.5mm	SO-2515-02-01-01-L
	Strip	Q Series®	QTE/QSE	.8mm	
25 mm		RiseUp®	RU8	.8mm	
		B Series	BTE/BSE*	.8mm	
	Array	HD Mezz***	HDAM/HDAF	1.2mm	
20		Q Series®	QTH/QSH*	.5mm	
	Strip	Q Series®	QTE/QSE*	.8mm	SO 3015 03 01 01 I
30 mm		RiseUp® B Series	RU8 BTE/BSE*	.8mm	SO-3015-02-01-01-L
	Array	HD Mezz***	HDAM/HDAF	1.2mm	
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<sup>\*</sup>ASO (Application Specific Option)

<sup>\*\*</sup>In-Design

<sup>\*\*\*</sup>HD Mezz is a trademark of Molex Incorporated