

SO SERIES

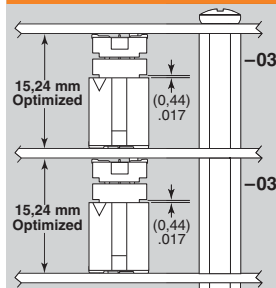
PRECISION BOARD STACKING STANDOFF

SPECIFICATIONS

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

Material:
Aluminum
Locking Compound:
Nylon

APPLICATIONS



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!

APPLICATIONS

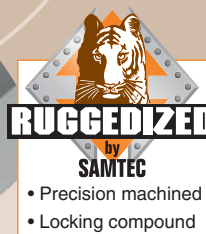


Ideal for use with all
Samtec SI connectors

Precision
machined tolerances
(± .002" (0,05 mm))

#4-40
Thread

Standard Nylon
thread locking
compound



Stack heights from
5 mm to 30 mm

APPLICATION SPECIFIC OPTION

- Stainless Steel
 - Locking compound removed
 - Other materials and threading
 - No Hardware
- Call Samtec.

SO

BOARD
STACKERLEAD
STYLETHREAD
STYLE

01

L

Specify
BOARD STACKER
from chart

–01
= Female Thread/Press-In
(–0515 thru –0915 only)

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

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

–05
= Female/Female Thread
(–1415 thru –2515 only)

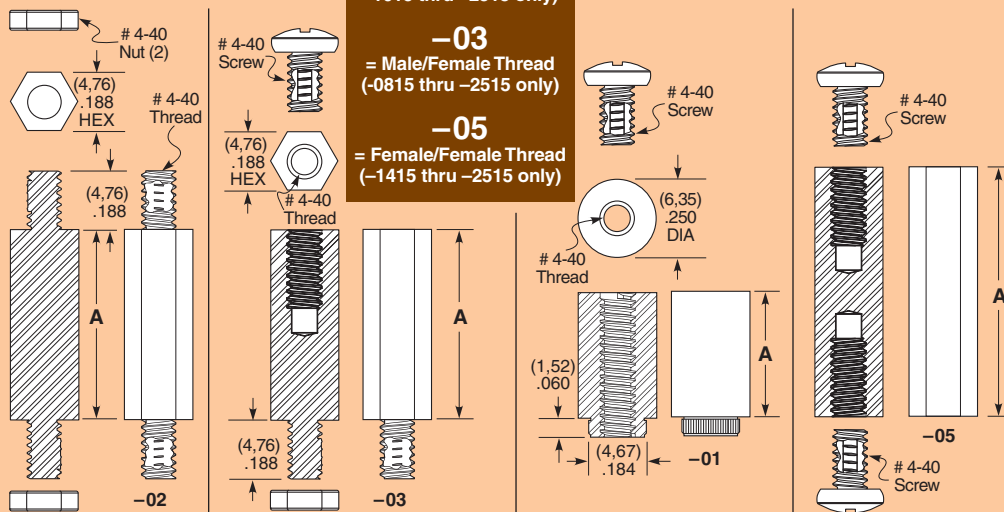
–01
= #4-40
Thread

–02
= M3 x 0.5
Thread

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

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

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



Components are to be packaged in separate bags unassembled.

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

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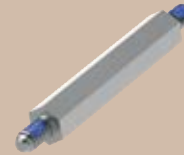
SO-0515-01-01-01



SO-1215-02-01-01-L



SO-2015-02-01-01-L



SO SERIES

STACKING STANDOFF APPLICATIONS

APPLICATIONS



Stack Height	Type Interconnect	Trade Name	Series Name	Pitch	Standoff
5 mm	Strip	Q Series®	QTH/QSH	.5 mm	SO-0515-01-01-01
		B Series	BTH/BSH	.5 mm	
		Q Series®	QTS/QSS	.635 mm	
		Q Series®	MIT/MIS	.635 mm	
		B Series	BTS/BSS	.635 mm	
		Q Series®	QTE/QSE	.8 mm	
		B Series	BTE/BSE	.8 mm	
7 mm	Strip	Edge Rate™	ERM8/ERF8	.8 mm	SO-0715-01-01-01
	Array	SEARAY™	SEAM/SEAF	1.27 mm	
8 mm	Strip	Q Series®	QTH/QSH	.5 mm	SO-0815-01-01-01
		B Series	BTH/BSH*	.5 mm	
		Q Series®	QTS/QSS	.635 mm	
		Q Series®	MIT/MIS	.635 mm	
		B Series	BTS/BSS*	.635 mm	
		Q Series®	QTE/QSE	.8 mm	
		B Series	BTE/BSE	.8 mm	
8.5 mm	Array	SEARAY™	SEAM/SEAF	1.27 mm	SO-0865-01-01-01
	Array	SEARAY™	SEAM/SEAF	1.27 mm	
10 mm	Strip	Q2™	QMS/QFS	.635 mm	SO-1015-02-01-01-L
	Array	Edge Rate™	ERM8/ERF8	.8 mm	
		SEARAY™	SEAM/SEAF	1.27 mm	
		DP Array®	DPAM/DPAF	2.16 mm	
11 mm	Strip	Q Series®	QTH/QSH	.5 mm	SO-1115-02-01-01-L
		B Series	BTH/BSH*	.5 mm	
		Q Series®	QTS/QSS*	.635 mm	
		Q2™	QMS/QFS	.635 mm	
		Q2™	QMSS/QFSS	.635 mm	
		Q Series®	MIT/MIS*	.635 mm	
		B Series	BTS/BSS*	.635 mm	
		Q Series®	QTE/QSE	.8 mm	
		B Series	BTE/BSE*	.8 mm	
		Q2™	QMS/QFS	.635 mm	
12 mm	Strip	Edge Rate™	ERM8/ERF8	.8 mm	SO-1215-02-01-01-L
	Array	SEARAY™	SEAM/SEAF	1.27 mm	
14 mm	Strip	Q Series®	QTH/QSH*	.5 mm	SO-1415-02-01-01-L
		Q2™	QMS/QFS	.635 mm	
		Edge Rate™	ERM8/ERF8	.8 mm	
		Q Series®	QTE/QSE*	.8 mm	
		B Series	BTE/BSE*	.8 mm	
	Array	SEARAY™	SEAM/SEAF	1.27 mm	
15 mm	Strip	DP Array®	DPAM/DPAF	2.16 mm	SO-1515-02-01-01-L
15.24 mm	Strip	Q Series®	QTE/QSE*	.8 mm	SO-1524-02-01-01-L
		Q Series®	QTE/QSE*	.8 mm	SO-1524-03-01-01-L
16 mm	Strip	Q Series®	QTH/QSH	.5 mm	SO-1615-02-01-01-L
		B Series	BTH/BSH*	.5 mm	
		Q Series®	QTS/QSS*	.635 mm	
		Q2™	QMS/QFS	.635 mm	
		Q Series®	MIT/MIS*	.635 mm	
		B Series	BTS/BSS*	.635 mm	
		Q Series®	QTE/QSE	.8 mm	
		Edge Rate™	ERM8/ERF8	.8 mm	
		B Series	BTE/BSE*	.8 mm	
		SEARAY™	SEAM/SEAF	1.27 mm	
18.75 mm	Strip	Q Series®	MIT/MIS*	.635 mm	SO-1890-02-01-01-L
19 mm	Strip	Q Series®	QTH/QSH	.5 mm	SO-1915-02-01-01-L
		B Series	BTH/BSH*	.5 mm	
		Q Series®	QTE/QSE	.8 mm	
		RiseUp®	RU8	.8 mm	
		B Series	BTE/BSE*	.8 mm	
20 mm	Strip	RiseUp®	RU8*	.8 mm	SO-2015-02-01-01-L
	Array	HD Mezz***	HDAM/HDAF	1.2 mm	
22 mm	Strip	Q Series®	QTH/QSH*	.5 mm	SO-2215-02-01-01-L
		B Series	BTH/BSH*	.5 mm	
		Q Series®	MIT/MIS*	.635 mm	
		Q Series®	QTE/QSE*	.8 mm	
		B Series	BTE/BSE*	.8 mm	
25 mm	Strip	Q Series®	QTH/QSH	.5 mm	SO-2515-02-01-01-L
		Q Series®	QTE/QSE	.8 mm	
		RiseUp®	RU8	.8 mm	
		B Series	BTE/BSE*	.8 mm	
		HD Mezz***	HDAM/HDAF	1.2 mm	
30 mm	Strip	Q Series®	QTH/QSH*	.5 mm	SO-3015-02-01-01-L
		Q Series®	QTE/QSE*	.8 mm	
		RiseUp®	RU8	.8 mm	
		B Series	BTE/BSE*	.8 mm	
	Array	HD Mezz***	HDAM/HDAF	1.2 mm	

*ASO (Application Specific Option)

**In-Design

***HD Mezz is a trademark of Molex Incorporated

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