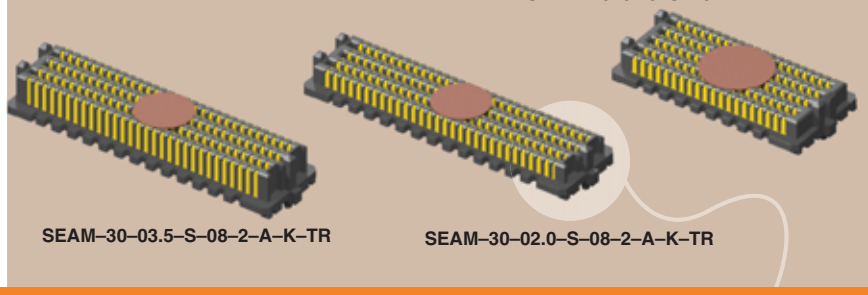
F-209-2

samtec

E.L.P. EXTENDED LIFE PRODUCT
10 Year Mixed Flowing Gas (MFG)
Call Samtec for maximum cycles mated with SEAF



OPEN PIN FIELD ARRAY SEAM SERIES

SPECIFICATIONS

Mates with:
SEAF, SADL

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

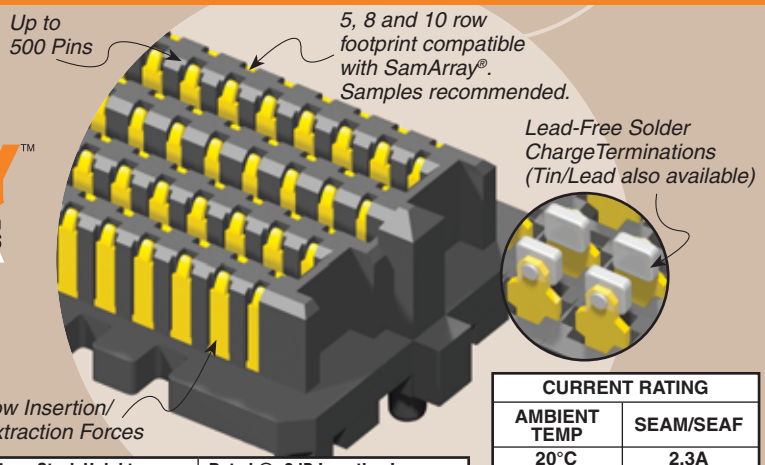
Insulator Material: Black LCP
Contact Material: Copper Alloy
FILE NO. E111594
Operating Temp Range: -55°C to +125°C
Plating: Au over 50µ" (1,27µm) Ni
Contact Resistance: 5.5 mΩ
Working Voltage: 240 VAC
RoHS Compliant: Yes

Processing:

Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x
Lead-Free Solderable: Yes

SEARAY™ OPEN PIN FIELD INTERCONNECTS

Final Inch® Break Out Region Performance Certified finalinch.com



7mm Stack Height	Rated @ -3dB Insertion Loss
Single-Ended Signaling	9.5 GHz / 19 Gbps
Differential Pair Signaling	10.5 GHz / 21 Gbps
Performance data for other stack heights and complete test data available at www.samtec.com?SEAM or contact sig@samtec.com	

CURRENT RATING	
AMBIENT TEMP	SEAM/SEAF
20°C	2.3A
40°C	2A
60°C	1.75A
95°C	1.14A
30 ADJACENT POSITIONS POWERED	

Industry Standards

PISMO 2
VITA 47
VITA 57

Protocols Supported

Fibre Channel
Rapid I/O
PCI Express®
SATA
Infiniband

Download app notes at www.samtec.com/appnote
Contact SIG @ samtec.com for questions on protocols

SEAM	–	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	NO. OF ROWS	–	SOLDER TYPE	–	A	–	K	–	TR

–15, –20, –30, –40, –50
(–15 only available in 10 row)

Specify LEAD STYLE from chart

–L
= 10µ" (0,25µm) Gold on contact area, Matte Tin on solder tail

–S
= 30µ" (0,76µm) Gold on contact area, Matte Tin on solder tail

–04
=Four Rows (–06.5 not available)

–05
=Five Rows (–06.5 not available)

–06
=Six Rows (–06.5 not available)

–08
=Eight Rows

–10
=Ten Rows

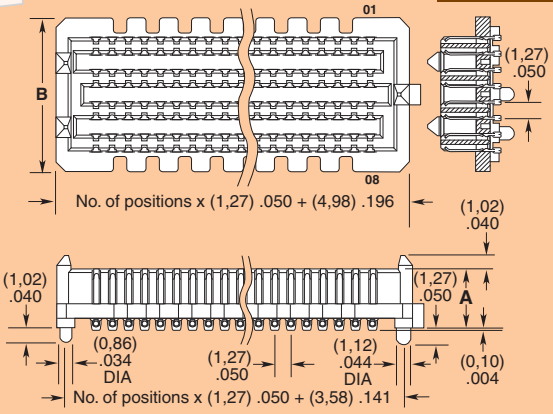
–2
= Lead-Free Tin Alloy 95.5% Sn/3.8% Ag/0.7% Cu Solder Charge

–A
= Alignment Pins (Required. Arrays will not self-center on solder pads)

–K
= Polyimide film Pick & Place Pad

–TR
=Tape & Reel

NO. OF ROWS	B
–04	(7,06) .278
–05, –06	(9,60).378
–08	(12,14) .478
–10	(14,68) .578



LEAD STYLE	A
–02.0	(4,60) .181
–03.0	(5,59) .220
–03.5	(6,10) .240
–06.5	(6,40) .252
–07.0	(9,60) .378
–09.0	(11,60) .457
–11.0	(13,60) .535

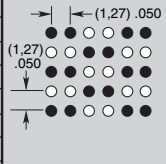
MATED HEIGHTS*			
SEAM LEAD STYLE	SEAF LEAD STYLE		
	–05.0	–06.0	–06.5
–02.0	7mm	8mm	8.5mm
–03.0	8mm	9mm	9.5mm
–03.5	8.5mm	9.5mm	10mm
–06.5	11.5mm	12.5mm	13mm
–07.0	12mm	13mm	13.5mm
–09.0	14mm	15mm	15.5mm
–11.0	16mm	17mm	17.5mm

*Processing conditions will affect mated height.

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

DIFFERENTIAL APPLICATION

ARRAY	PAIR COUNT
50x10	125
50x8	100
40x10	100
40x8	80
40x6	60
30x10	75
30x8	60
30x6	45
20x10	50
20x8	40
20x10	25



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

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