



SEARAY PRODUCT MATRIX



	Ckt Size	Stack Height								Stack Heights	Tooled Heights (B)	
		7 mm	8mm	8.5mm	10mm	11mm	12mm	13.5mm	15mm			
4 Row	40	46556-1145	46556-1245	46556-1145	46556-1145	46556-1245	46556-1745	46556-1745	46556-1745	7, 8, 8.5, 9.5, 10	1, 2, 7	
		46557-1145		46557-1345	46557-1545	46557-1545	46557-1145	46557-1345	46557-1545	11, 12, 13.5, 15	1, 3, 5	
	60	46556-6145	Minor Tooling	Plug	46556-6645	Minor Tooling	Minor Tooling	Minor Tooling	Minor Tooling	7	1, 6	
		46557-6145	Minor Tooling	Recep.	46557-6145	Minor Tooling	Minor Tooling	Minor Tooling	Minor Tooling	10	1	
	80	46556-2145	Minor Tooling	46556-2345	46556-2145	46556-2345	46556-2745	46556-2745	46556-2745	7, 8, 8.5, 9.5, 10, 11, 11.5	1, 3, 5, 7	
		46557-2145	Minor Tooling	46557-2145	46557-2545	46557-2445	46557-2145	46557-2345	46557-2545	12, 12.5, 13.5, 14.5, 15	1, 3, 4, 5	
	100	46556-7145	46556-7245	46556-7345	46556-7345	46556-7345	Plug	Minor Tooling	Minor Tooling	7, 8, 8.5, 9, 9.5	1, 2, 3	
		46557-7145	46557-7145	46557-7145	46557-7345	46557-7445	Recep.	Minor Tooling	Minor Tooling	10, 10.5, 11	1, 3, 4	
	120	46556-3145	46556-3245	46556-3145	46556-3145	46556-3245	46556-3745	46556-3745	46556-3745	7, 8, 8.5, 9.5, 10, 10.5	1, 2, 7	
		46557-3145	46557-3145	46557-3345	46557-3545	46557-3545	46557-3145	46557-3345	46557-3545	11, 12, 13, 13.5, 14.5, 15	1, 2, 3, 4, 5	
	160	46556-4145	46556-4245	46556-4345	46556-4145	46556-4245	46556-4745	46556-4745	46556-4745	7, 8, 8.5, 9, 9.5, 10	1, 2, 3, 7	
		46557-4145	46557-4145	46557-4145	46557-4545	46557-4545	46557-4145	46557-4345	46557-4545	11, 11.5, 12, 13, 13.5, 15	1, 2, 3, 5	
	200	46556-5145	Minor Tooling	Minor Tooling	46556-5145	Plug	46556-5745	Minor Tooling	46556-5745	7, 10	1, 7	
		46557-5145	Minor Tooling	Minor Tooling	46557-5545	Recep.	46557-5145	Minor Tooling	46557-5545	12, 15	1, 5	
	8 Row	240	45970-3185	Plug	45970-3385	45970-3385				Plug	7, 8.5	1, 3
			45971-3185	Recep.	45971-3185	45971-3385				Recep.	10	1, 3
320		45970-4185		45970-4385	45970-4385					7, 8.5	1, 3	
		45971-4185		45971-4185	45971-4385					10	1, 3	
10 Row	100	Plug	Minor Tooling	Minor Tooling	45970-1615	Minor Tooling	Minor Tooling	Minor Tooling	Minor Tooling	5	6	
		Recep.	Minor Tooling	Minor Tooling	45971-1115	Minor Tooling	Minor Tooling	Minor Tooling	Minor Tooling	5		
	200	45970-2115	Plug	45970-2115	45970-2115	Minor Tooling	45970-2715	45970-2715	45970-2715	7, 8.5, 10	1, 7	
		45971-2115	Recep.	45971-2311	45971-2515	Minor Tooling	45971-2115	45971-2311	45971-2515	12, 13.5, 15	1, 3, 5	
	300	45970-3115	45970-3115	45970-3115	45970-3115	45970-3211	45970-3715	45970-3715	45970-3715	7, 8, 8.5, 9, 9.5, 10, 11	1, 2, 7	
		45971-3115	45971-3215	45971-3315	45971-3515	45971-3515	45971-3115	45971-3315	45971-3515	12, 13, 13.5, 15	1, 2, 3, 5	
	400	45970-4115	45970-4215	45970-4315	45970-4115	45970-4215	45970-4715	45970-4715	45970-4715	7, 8, 8.5, 9.5, 10, 11	1, 2, 3, 7	
		45971-4115	45971-4115	45971-4115	45971-4515	45971-4515	45971-4115	45971-4315	45971-4515	11.5, 12, 13.5, 15	1, 3, 5	
	450	45970-9115	Minor Tooling	45970-9115	Minor Tooling	Plug	45970-9715	45970-9715	Minor Tooling	7, 10	1, 7	
		45971-9115	Minor Tooling	45971-9315	Minor Tooling	Recep.	45971-9115	45971-9315	Minor Tooling	12, 13.5	1, 3	
	500	45970-5115	Minor Tooling	Minor Tooling	45970-5115	Minor Tooling	45970-5715	Plug	45970-5715	7, 10	1, 7	
		45971-5115	Minor Tooling	Minor Tooling	45971-5515	Minor Tooling	45971-5115	Recep.	45971-5515	12, 15	1, 5	

Updated 9/14/2012

SEARAY Part Numbers (8 and 10 row SEARAY)

4597X - A B C D

- X**
0 = Plug
1 = Receptacle
- Y**
6 = Plug
7 = Receptacle

- A = Circuits / Column**
- 1 = 10
 - 2 = 20
 - 3 = 30
 - 4 = 40
 - 5 = 50
 - 6 = 15
 - 7 = 25
 - 8 = 35
 - 9 = 45
 - 0 = 19

- (Tooled Heights)**
B = Height (mm)
- | Plug | Rec |
|---------|---------|
| 1 = 2.0 | 1 = 5.0 |
| 2 = 3.0 | 2 = 6.0 |
| 3 = 3.5 | 3 = 6.5 |
| 4 = 2.5 | 4 = 7.5 |
| 5 = 4.5 | 5 = 8.0 |
| 6 = 5.0 | |
| 7 = 7.0 | |

4655Y - A B 4 D

- C = Ckts / Row**
- 1 = 10
 - 4 = 4
 - 6 = 6
 - 8 = 8
- D = Solder Type & Packaging**
- 1 = Leadfree & Tray
 - 3 = Tin-Lead & Tray
 - 5 = Leadfree & Reel
 - 7 = Tin-Lead & Reel

A value multiplied by C value determine circuit size

Receptacle Stack Height

	5.0	6.0	6.5	7.5	8.0
2.0	7.0	8.0	8.5	9.5	10.0
3.0	8.0	9.0	9.5	10.5	11.0
3.5	8.5	9.5	10.0	11.0	11.5
2.5	7.5	8.5	9.0	10.0	10.5
4.5	9.5	10.5	11.0	12.0	12.5
5.0	10.0	11.0	11.5	12.5	13.0
7.0	12.0	13.0	13.5	14.5	15.0

For Example: Part numbers for a 10mm, 160 circuit SEARAY Slim

Plug: 46556-4145 A = 4 and C = 4 so circuit size = 40 x 4 = 160 circuits
 Receptacle: 46557-4545 A = 4 and C = 4 so circuit size = 40 x 4 = 160 circuits

B = 1 so plug height = 2.0mm
 B = 5 so receptacle height = 8.0mm

Stack height = plug height + receptacle height = 2.0mm + 8.0mm = 10mm

D = 5 so part is leadfree in tape and reel