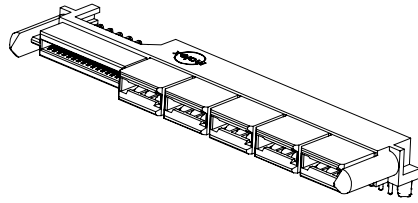


12.00mm (.472") Pitch LPH™ Low Profile Hybrid PCB Receptacle

45984

Right Angle, 10 Power Contacts



Features and Benefits

- Low Profile Hybrid (LPH) receptacle header combines mixed power and signal contacts for high current, coplanar, board-to-board applications
- Horizontal contact design provides low profile height at only 7.49mm (.295") max. for improved air flow

Reference Information

Product Specification: PS-45984-001
 Packaging: Bag
 UL File No.: E29179
 Mates With: 45985 headers or 1.57mm (.062") thick card edge
 Designed In: Millimeters

Electrical

Voltage: 250V
 Current: Power Contacts—30.0A max.
 Signal Contacts—1.0A max.
 Contact Resistance: Power Contacts—15 milliohms max.
 Signal Contacts—0.75 milliohms max.
 Insulation Resistance: 5000 Megohms min.

Mechanical

Mating Force: Single Power Contact—6.87N (1.54 lb.) Nom.
 Single Signal Contact—1.08N (0.24 lb.) Nom.
 Unmating Force:
 Single Power Contact—5.88N (1.32 lb.) Nom.
 Single Signal Contact—0.02N (0.03 lb.) Nom.
 Durability: 250 Cycles

Physical

Housing: LCP, UL 94V-0
 Contact: Copper Alloy
 Plating: Contact Area—Select Gold
 Solder Tail Area—Tin
 Underplating—Nickel
 Operating Temperature: -40 to +105°C

No. of Signal Pins	Order No.				PC Tail Length	PCB Thickness	Lead-free			
	No PCB Pegs or BMI Guides	BMI Guides, No PCB Pegs	PCB Pegs, No BMI Guides	PCB Pegs and BMI Guides						
12	45984-1111	45984-1211	45984-1311	45984-1411	4.50mm (.177")	3.18mm (.125")				
16	45984-1121	45984-1221	45984-1321	45984-1421						
20	45984-1131	45984-1231	45984-1331	45984-1431						
24	45984-1141	45984-1241	45984-1341	45984-1441						
28	45984-1151	45984-1251	45984-1351	45984-1451						
32	45984-1161	45984-1261	45984-1361	45984-1461						
36	45984-1171	45984-1271	45984-1371	45984-1471						
40	45984-1181	45984-1281	45984-1381	45984-1481						
12	45984-1112	45984-1212	45984-1312	45984-1412				3.60mm (.143")	2.36mm (.093")	Yes
16	45984-1122	45984-1222	45984-1322	45984-1422						
20	45984-1132	45984-1232	45984-1332	45984-1432						
24	45984-1142	45984-1242	45984-1342	45984-1442						
28	45984-1152	45984-1252	45984-1352	45984-1452						
32	45984-1162	45984-1262	45984-1362	45984-1462						
36	45984-1172	45984-1272	45984-1372	45984-1472						
40	45984-1182	45984-1282	45984-1382	45984-1482						
12	45984-1113	45984-1213	45984-1313	45984-1413	2.90mm (.114")	1.57mm (.062")				
16	45984-1123	45984-1223	45984-1323	45984-1423						
20	45984-1133	45984-1233	45984-1333	45984-1433						
24	45984-1143	45984-1243	45984-1343	45984-1443						
28	45984-1153	45984-1253	45984-1353	45984-1453						
32	45984-1163	45984-1263	45984-1363	45984-1463						
36	45984-1173	45984-1273	45984-1373	45984-1473						
40	45984-1183	45984-1283	45984-1383	45984-1483						