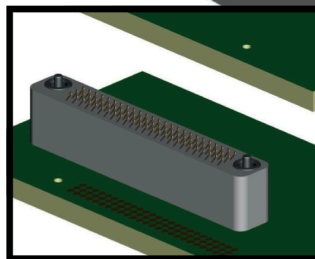
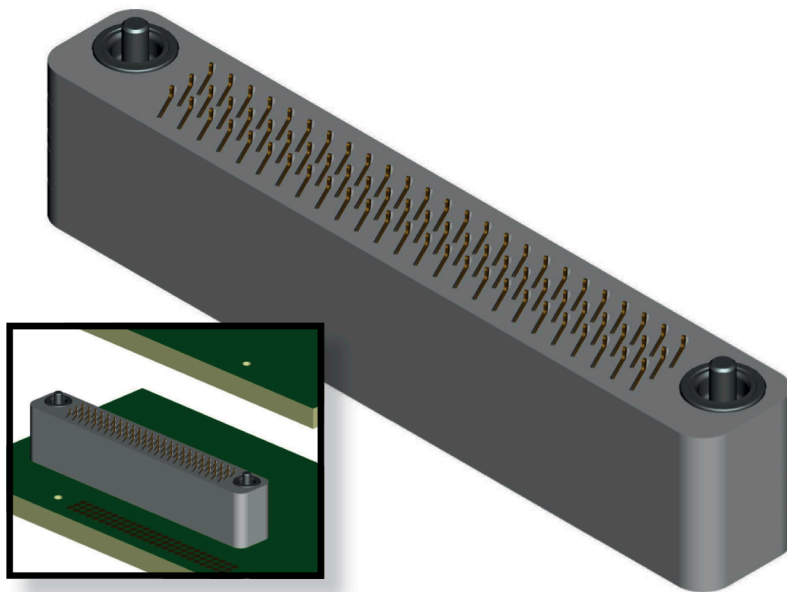




0.05" 1.27mm VERTICAL COMPRESSION (Z-AXIS) LGA CONNECTOR

A high-density LGA (solderless) open-field, vertically-compressed connector utilizing a patented z-axis contact system configured for between-boards compression applications.

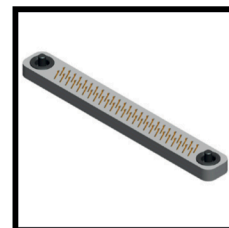
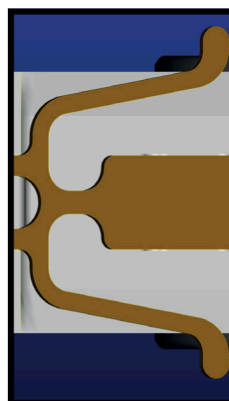
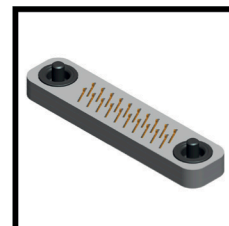
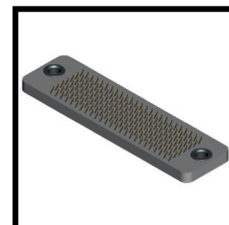
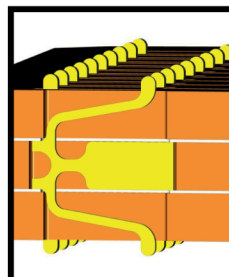


MATERIALS

Contact	BeCu C17200 per ASTM B194 (brush alloy 190)
Contact Finish	Gold per ASTM B488 over nickel per SAE AMS-QQ-N-290
Molded Insulator	Glass-filled polyphenylene sulfide (PPS) per MIL-M-24519
Hardware	Stainless steel per ASTM A582/582M, Passivated per SAE AMS-2700

PERFORMANCE

Contact Compression	-0.01"/side (nominal) for 0.100" and 0.150" connector heights -0.015"/side (nominal) for 0.200", 0.250", 0.300" and 0.350" connector heights
Compression Force	At a nom. of 0.01, compression force is 30 to 40 grams At a nom. of 0.015, compression force is 40 to 50 grams
Contact Co-Planarity	0.006 max
Contact Wipe	0.007" for 0.100" and 0.150" connector heights 0.015" for 0.200", 0.250", 0.300" and 0.350" connector heights
Current Rating	0.5 amperes
Contact Resistance	25 milliohms typical (contact height dependent)
Operating Temperature	-65° C to +125° C
Insulation Resistance	5,000 megaohms minimum @ 100 VDC
Dielectric Withstanding Voltage	250 VDC @ sea level, 100 VDC @ 70,000 ft.
Durability	Min.50 mating cycles – currently testing for 1000 cycles



AirBorn International Ltd

Mercury House
Station Road
Edenbridge, Kent
TN8 6HL
United Kingdom

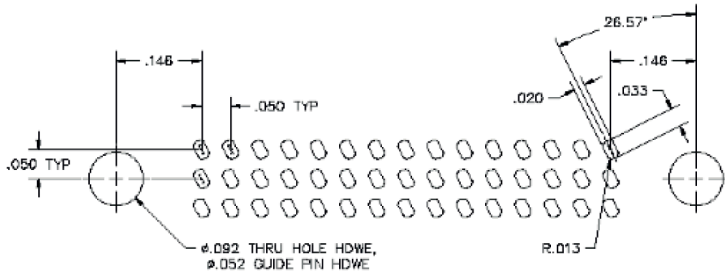
T: +44 (0)1732 864930 E: cs@airbornint.com

www.airborn.com

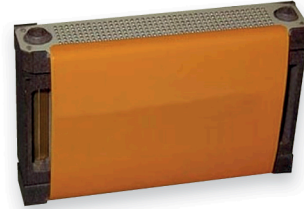
PATENT PENDING



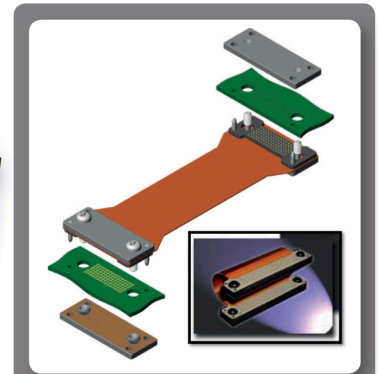
TYPICAL 0.750" STACK HEIGHT SI PERFORMANCE – BOTH SE and DIF



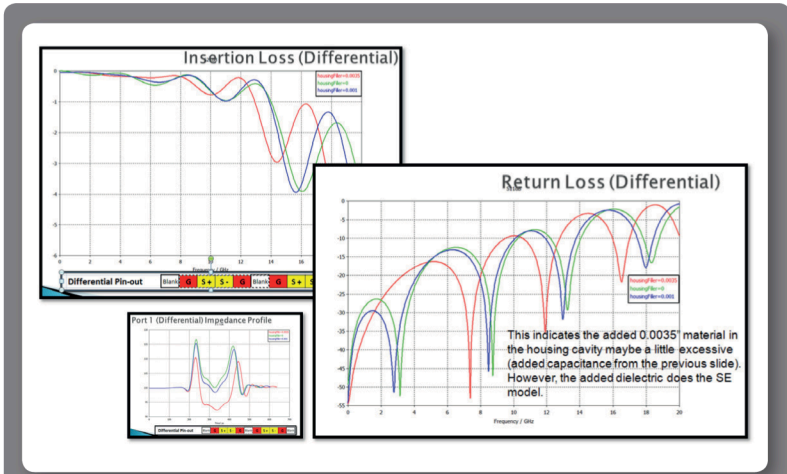
RECOMMENDED BOARD LAYOUT, TYP



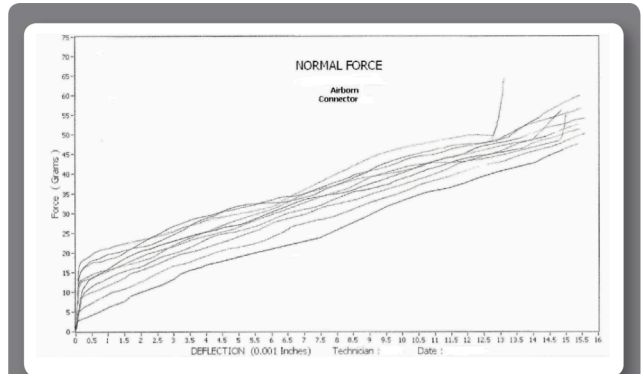
BOARD-TO-BOARD FLEX STACKER



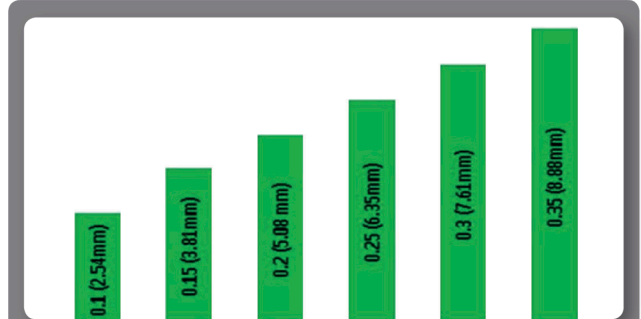
BOARD-TO-BOARD FLEX JUMPER



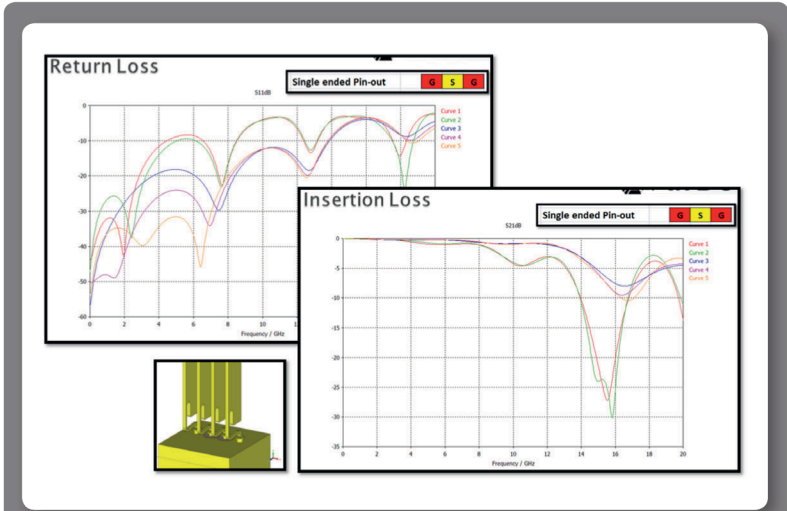
DIFFERENTIAL S-PARAMETERS AND IMPEDANCE PROFILE



NORMAL FORCE VS. CONTACT DEFLECTION (TYPICAL)



STACK UP (INSULATOR HEIGHT) OFFERING



SINGLE-ENDED S-PARAMETERS

	10 pin / Row	15 pin / Row	20 pin / Row	25 pin / Row
2 Row	X	X	X	X
3 Row	X	X	X	X
4 Row	X	X	X	X
5 Row	X	X	X	X
6 Row	X	X	X	X
7 Row	X	X	X	X

TOTAL NUMBER OF PINS OFFERING

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PATENT PENDING