	RECTURY OF TEST		
		d may not be current or all-inclusive as o	
COMPANY HEADQUARTERS	SOCKET Types	PACKAGE Types	SOCKET Specifications
Company Street Address City, State, Country Telephone Website	B = Burn-in D = Development P = Production T = Test Contactor CM = Contact Mfgr.	BA = Ball Array BD = Bare Die LA = Leadless Array SM = Surface Mount TH = Through Hole	CP = Contact Pitch CL = Contact Life OT = Op. Temp. Range FQ = Frequency (Ins. Loss) CF = Contact Force / Pin CR = Current Rating / Pin
Advanced Interconnections Corporation 5 Energy Way West Warwick, RI 02893 Tel: +1-401-823-5200 www.bgasockets.com	D, P, T	BA, LA	CP > 0.5 mm CL > 200,000x OT = -40°C to +260°C FQ < 3.5 GHz @ -0.9 dB CF < 18 g CR < 2.8 A
AEM Holdings Ltd. 52 Serangoon North Ave. 4 Singapore 555853 Tel: +65-6483-1811 www.aem.com.sg	Т	BA, LA, SM	CP > 0.4 mm CL > 50,000x OT = -50°C to +125°C FQ < 30 GHz CF & CR = CM
Andon Electronics Corporation 4 Court Drive Lincoln, RI 02865 Tel: +1-401-333-0388 www.andonelect.com	Р	BA, LA, SM, TH	CP > 1.0 mm CL & FQ = CM OT = -65°C to +240°C CF = CM CR < 1.0 A
AQL Manufacturing Services 25599 SW 95th Avenue, Suite D Wilsonville, OR 97070 Tel: +1-503-682-3193 www.aqlmfg.com	Т	BA, LA, SM, TH	CP > 0.5 mm FQ < (16 - 25) GHz CL, OT, CF & CR = CM
Ardent Concepts, Inc. 4 Merrill Industrial Drive Hampton Beach, NH 03842 Tel: +1-603-926-2517 www.ardentconcepts.com	D, T	BA, LA	CP > (0.3 - 0.6) mm CL > (100k - 500k)x OT = -40°C to +155°C FQ < (24 - 37) GHz @ -1dB CF < (11 - 30) g CR < 2.0 A
Aries Electronics, Inc. 2609 Bartram Road Bristol, PA 19007 Tel: +1-215-781-9956 www.arieselec.com	B, D, P, T	BA, LA, SM, TH	CP > (0.3 - 0.5) mm CL > (10k - 500k)x OT = -55°C to +250°C FQ < (1 - 40) GHz @ -1dB CF < (15 - 110) g CR < (1.0 - 3.0) A
Azimuth Electronics, Inc. 2605 S. El Camino Real San Clemente, CA 92672 Tel: +1-949-492-6481 www.azimuth-electronics.com	D, T	BA, LA, SM	CP > 0.5 mm OT = -55°C to 155°C CL, FQ, CF & CR = CM
BeCe Pte. Ltd. Block 1, Yishun Street 23, # 01-09 Singapore 768441 Tel: +65-6257-2930 www.bece.com.sg	Т	BA, LA	CP = CM CL = CM OT = CM FQ = CM CF = CM CR = CM
Bucklingbeam Solutions, LLC 16074 Central Commerce Drive, Suite A-102 Pflugerville, TX 78660 Tel: +1-512-670-3122 www.bucklingbeam.com	D, T	LA	CP > 0.15 mm CL, OT, FQ, CF & CR = CM
Centipede Systems Inc. 41 Daggett Drive San Jose, CA 95134 Tel: +1-408-321-8201 www.centipedesystems.com	Т	BA, LA, SM	CP > 0.3 mm CL > 500,000x OT < +160°C FQ = CM CF = CM CR < 2.0 A @ 150°C

Directory data was compiled from company inputs and/or website search and may not be current or all-inclusive as of the date of publication. COMPANY HEADQUARTERS SOCKET PACKAGE SOCKET SPECIFICATIONS TYPES TYPES B = Burn-inBA = Ball Array CP = Contact Pitch Company Street Address D = Development BD = Bare Die CL = Contact Life OT = Op. Temp. Range City, State, Country P = Production LA = Leadless Array Telephone T = Test Contactor SM = Surface Mount FQ = Frequency (Ins. Loss) Website TH = Through Hole CF = Contact Force / Pin CR = Current Rating / Pin CM = Contact Mfgr. Contech Solutions Incorporated 631 Montague Avenue San Leandro, CA 94577 Tel: +1-510-357-7900 CP > (0.2 - 0.5) mm CL > 500,000x OT = -55°C to +160°C B, D, T BA, LA, SM FQ < (1.1-34.6) GHz @ -1dB CF < (19 - 39) g CR < (1.5 - 4.0) A www.contechsolutions.com Custom Interconnects 7790 E. Arapahoe Rd, Suite 250 Centennial, CO 80112 Tel: +1-303-934-6600 D. T CP > 0.5 mm BA, LA, TH CL > 500,000x OT = -60°C to +150°C FQ < 40 GHz CF = CM www.custominterconnects.com CR < 5.0 A CP > (0.1 - 0.5) mm CL > (10k - 125k)x OT = -55°C to +130°C FQ < (3 - 30) GHz @ -1dB CF < (19 - 40) g CR < (0.05 - 4.0) A **Emulation Technology, Inc.** B. D. T BA, BD, LA, SM, TH 759 Flynn Road Camarillo, CA 93012 Tel: +1-805-383-8480 www.emulation.com Enplas Tesco, Inc. 765 N. Mary Avenue Sunnyvale, CA 94085 Tel: +1-408-749-8124 BA, LA, SM CP > 0.4 mm B, D, T CL > (10k - 200k)x OT = -65°C to +150°C FQ = CM CF < (14 - 35) g CR < (0.5 -1.0) A www.enplas-ets.com CP > 0.3 mm Τ BA. LA. SM. TH Essai, Inc. 45850 Kato Road CF > 0.3 IIIIII CL > (20k - 250k)x OT = -40°C to +145°C FQ < 30 GHz @ -1dB CF < (15 - 40) g CR < (0.5 - 1.0) A Fremont, CA 94538 Tel: +1-510-580-1700 essai www.essai.com CP > (0.4 - 0.5) mm CL > (100 - 10,000)x OT = -55°C to +125°C FQ < (17.7 - 38.3) GHz @ -1dB CF < 40 g CR < (0.5 - 3.0) A E-tec Interconnect Ltd. Chemin du Grand-Pré 9A CH-1510 Moudon, Switzerland Tel: +41-21-781-0810 D, P BA, LA, SM E-tec www.e-tec.com CP > 0.4 mm CL > (100k - 1,000k)x OT = -70°C to +200°C FQ < 40 GHz @ CM Exatron, Inc. 2842 Aiello Drive San Jose, CA 95111 Tel: +1-408-629-7600 D, T LA, SM CF < (10 - 12) g www.exatron.com CP > (0.4 - 0.5) mm CL > (20k - 1,000k)x OT = -55°C to +155°C FQ < (4.6 - 16.0) GHz @ -1dB CF & CR = CM Gold Technologies, Inc. 2360-F Qume Drive San Jose, CA 95131 Tel: +1-408-321-9568 B, D, T CM www.goldtec.com CP > 0.4mm to 1.27mm CL > 200k insertions FQ Up to 40GHz @ -1.0dB High Connection Density, Inc. B, D, P, T BA. LA 820A Kifer Road Sunnyvale, CA 94086 Tel: +1-408-743-9700 CF 10 - 60g/pin OT -40 to 150°C www.hcdcorp.com CR Up to 7amps/pins Continuous High Performance Test 48531 Warm Springs Blvd., Suite 413 Fremont, CA 94539 B, D, T BA, LA, SM CP > 0.5 mmCL > (100k - 300k)x OT = -50°C to +150°C Tel: +1-510-445-1182 FQ < 3.0 GHz @ CM www.hptestusa.com CF = CMCR < 5.0 A

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COMPANY Headquarters	SOCKET Types	PACKAGE Types	SOCKET Specifications
Company Street Address City, State, Country Telephone Website	B = Burn-in D = Development P = Production T = Test Contactor CM = Contact Mfgr.	BA = Ball Array BD = Bare Die LA = Leadless Array SM = Surface Mount TH = Through Hole	CP = Contact Pitch CL = Contact Life OT = Op. Temp. Range FQ = Frequency (Ins. Loss) CF = Contact Force / Pin CR = Current Rating / Pin
Interconnect Devices, Inc. 5101 Richland Avenue Kansas City, KS 66106 Tel: +1-913-342-5544 www.idinet.com/synergetix	D, T	BA, BD, LA, SM	CP > (0.4 - 0.5) mm CL > (250k - 500k)x OT = -55°C to +150°C FQ < (9.6 - 20) GHz @ -1dB CF < (17 - 85) g CR < (1.5 - 5.0) A
Interconnect Systems, Inc. 759 Flynn Road Camarillo, CA 93012 Tel: +1-805-482-2870 www.isipkg.com	Р	BA, LA	CP > 0.8 mm CR < 10 A CL, OT, FQ, CF = CM
Ironwood Electronics 11351 Rupp Drive Burnsville, MN 55337 Tel: +1-952-229-8200 www.ironwoodelectronics.com	B, D, T	BA, LA, SM	$\label{eq:continuous} \begin{split} & \text{CP} > (0.25 - 0.4) \text{ mm} \\ & \text{CL} > (2k - 500k)x \\ & \text{OT} = -70^{\circ}\text{C to} + 200^{\circ}\text{C} \\ & \text{FQ} < (6 - 40) \text{ GHz } @ -1\text{dB} \\ & \text{CF} < 50 \text{ g} \\ & \text{CR} < (2.0 - 8.0) \text{ A} \end{split}$
ISC Technology Co., Ltd. Keumkang Penterium IT-Tower F6 333-7 Sangdaewon-Dong, Jungwon-Ku Seungnam-City, Kyunggi-Do, Korea Tel: +82-31-777-7675 www.isctech.co.kr	B, D, T	BA, LA, SM	CP > (0.3 - 0.4) mm CL > 200,000x OT = +150°C Max. FQ < 40 GHz CF < 50 g CR < 2.0 A
J2M Test Solutions, Inc. 13225 Gregg Street Poway, CA 92064 Tel: +1-571-333-0291 www.j2mtest.com	D, T	BA, BD, LA, SM	CP > 0.2 mm CL > 500,000x OT = -55°C to +150°C FQ < 17 GHz @ CM CF < 13 g CR = CM
JF Technology Berhad (747681-H) Lot 6, Jalan Teknologi 3/6, Taman Sains Selangor 1, Kota Damansara, 47810 Petaling Jaya, Selangor D.E. Malaysia www.jftech.com.my	B, D, P, T	BA, BD, LA, SM	CP ≥0.3mm CL 300K - 1000K OT -40C to 155C FQ -1dB@14GHZ CF 30 Grams CR 4.5 A≥
Johnstech International Corporation 1210 New Brighton Blvd. Minneapolis, MN 55413 Tel: +1-612-378-2020 www.johnstech.com	D, T	BA, LA, SM	CP > (0.4 - 0.5) mm CL > (300k - 1,000K)x OT = -40°C to +155°C FQ < (3.0 - 40) GHz @ -1dB CF < (20 - 150) g CR < (0.8 - 6.7) A
Loranger International Corp. 303 Brokaw Road Santa Clara, CA 95050 Tel: +1-408-727-4234 www.loranger.com	B, D, T	BA, LA, SM, TH	CP > (0.25 - 0.4) mm CL = CM OT = CM FQ = CM CF = CM CR = CM
M&M Specialties 1145 W. Fairmont Drive Tempe, AZ 85282 Tel: +1-480-858-0393 www.mmspec.com	D, T	BA, LA, SM	CP > 0.3 mm CL > 500,000x FQ < 25 GHz @ -1dB OT, CF & CR = CM
Micronics Japan Co., Ltd. 2-6-8 Kichijoji Hon-cho, Musashino-shi Tokyo 180-8508, Japan Tel: +81-422-21-2665 www.mjc.co.jp Compiled by Chip Scale Review • (408) 429-858	B, D, T	BA, SM	CP > 0.2 mm FQ < 40 GHz @ -1dB CL, OT, CF & CR = CM

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COMPANY HEADQUARTERS	SOCKET TYPES	PACKAGE TYPES	SOCKET SPECIFICATIONS
Company Street Address City, State, Country Telephone Website	B = Burn-in D = Development P = Production T = Test Contactor CM = Contact Mfgr.	BA = Ball Array BD = Bare Die LA = Leadless Array SM = Surface Mount TH = Through Hole	CP = Contact Pitch CL = Contact Life OT = Op. Temp. Range FQ = Frequency (Ins. Loss) CF = Contact Force / Pin CR = Current Rating / Pin
Mill-Max Manufacturing Corp. 190 Pine Hollow Road, P.O. Box 300 Oyster Bay, NY 11771 Tel: +1-516-922-6000 www.mill-max.com	Р	SM, TH	CP > (1.27 - 2.54) mm CL > (100 - 1,000)x OT = -55°C to +125°C FQ = CM CF < (25 - 50) g CR < (1.0 - 3.0) A
Modus Test LLC P.O. Box 56708 Atlanta, GA 31156 Tel: +1-678-765-7775 www.modustest.com	D, T	BA, LA, SM, TH	CP > 0.3 mm CL > 1,000,000x OT = +200°C Max. FQ < 20 GHz @ CM CF < 35 g CR < 5.0 A
Multitest Elektronische Systeme GmbH Aeussere Oberaustrasse 4 D-83026 Rosenheim, Germany Tel: +49-8031-4060 www.multitest.com	D, T	BA, LA, SM	CP > (0.25 - 0.5) mm CL > (500k - 1,000k)x OT = -60°C to +200°C FQ < (0.5 - 40) GHz @ CM CF < (26 - 55) g CR < (1.8 - 4.6) A
OKins Electronics Co. Ltd. 6F, Byucksan-Sunyoung Technopia 196-5, Ojeon-dong, Uiwang-si Gyeonggi-do 437-821, Korea Tel: +82-31-460-3500 / 3535 www.okins.co.kr	B, D, T	BA, LA, SM	CP > (0.4 - 0.5) mm CL > (10k - 100k)x OT = -55°C to +150°C FQ < (7.0 - 12.4) GHz @ -1dB CF < (7 - 15) g CR < (0.5 - 1.0) A
Paricon Technologies Corporation 421 Currant Road Fall River, MA 02720 Tel: +1-508-676-6888 www.paricon-tech.com	B, D, P, T	BA, LA	CP > (0.1 - 0.4) mm CL > 1,000,000x OT < 150°C FQ < 40 GHz @ -1dB CF & CR = CM
Phoenix Test Arrays 3105 S. Potter Drive Tempe, AZ 85282 Tel: +1-602-518-5799 www.phxtest.com	D, T	BA, LA, SM	CP > 0.3 mm CL > 1,000,000x OT = -50°C to +150°C FQ > 40 GHz @ -1dB CF = 20-45 g CR > 3.5 A
Plastronics Socket Company 2601 Texas Drive Irving, TX 75062 Tel: +1-972-258-2580 www.plastronics.com	В	BA, LA, SM	CP > (0.4 - 0.5) mm CL > (5k - 20k)x OT = -65°C to +150°C FQ < 15 GHz @ -1dB CF < (7 - 50) g CR < (0.4 - 1.2) A
ProFab Technology Inc. 41817 Albrae Street Fremont, CA 94538 Tel: +1-925-600-0770 www.profabtechnology.com	D, T	BA, LA	CP > (0.26 - 0.45) mm CR < 7.0 A CL, OT, FQ & CF = CM
Protos Electronics 1040 Di Giullio Avenue, Ste. 100 Santa Clara, CA 95050 Tel: +1-408-492-9228 www.protoselectronics.com	D, T	BA, LA, SM	CP = CM CL > 300,000x OT = -55°C to +135°C FQ < 22.3 GHz @ -1dB CF < 20.8 g CR < 4.0 A
Qualmax, Inc. IT Castle, 1-dong, 1101-ho 550-1 Gasan-dong, Geumcheong-gu Seoul, Korea 153-768 Tel: +82-2-2082-6770 www.qualmax.com	D, T	BA, LA, SM	CP < (0.4 - 0.5) mm CL < (200k - 500k)x OT = CM FQ < (9 - 25) GHz @ -1dB CF < (18.5 - 40) g CR < (1.0 - 4.0) A

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COMPANY Headquarters	SOCKET Types	PACKAGE TYPES	SOCKET Specifications	
Company Street Address City, State, Country Telephone Website	B = Burn-in D = Development P = Production T = Test Contactor CM = Contact Mfgr	BA = Ball Array BD = Bare Die LA = Leadless Array SM = Surface Mount TH = Through Hole	CP = Contact Pitch CL = Contact Life OT = Op. Temp. Range FQ = Frequency (Ins. Loss) CF = Contact Force / Pin CR = Current Rating / Pin	
R&D Interconnect Solutions 7115 Northland Terrace, Suite 400 878 Service 400 879 Service 400 8	D, P, T	BA, BD, LA, SM	CP <0.3mm CL = 150,000x OT = -40° to 150°C FQ > 38Ghz @ -1dB CF = 15g CR = 4A	
Rika Denshi Co., Ltd. -18-17, Omori-Minami, Ota-Ku Tokyo 143-8522, Japan Tel: +81-3-3745-3811 Www.rdk.co.jp	D, T	BA, LA, SM	CL > (500k - 1,000k)x OT = -40°C to +160°C FQ < 36 GHz @ -1dB CF < (15 - 30) g CP & CR = CM	
Robson Technologies Inc. 35 E. Main Avenue, Suite 130 Morgan Hill, CA 95037 Fel: +1-408-779-8008 vww.testfixtures.com	B, D, P, T	BA, LA, SM	CP > (0.3 - 0.4) mm CL > 25,000x OT = -50°C to +150°C FQ < 30 GHz @ -1dB CF = CM CR < 3.0 A	
S Tech Inc. 222 W. Parkside Lane, Suite 117-118 hoenix, AZ 85027 el: +1-623-879-6690 www.rstechinc.com	B, D, T	BA, LA, SM, TH	CP > 0.35 mm OT = -55°C to +150°C FQ < (9 - 10) GHz @ CM CR < (1.0 - 15.0) A CL & CF = CM	
Sanyu Electric, Inc. 1475 Camden Avenue, Suite 100 Ian Jose, CA 95120 Iel: +1-408-269-2800 Ivww.sanyu-usa.com	СМ	СМ	CP > 0.2 mm CL = CM OT = -40°C to +150°C FQ < 40 GHz @ -1dB CF < (15 - 25) g CR < (4.0 - 5.0) A	
densata Technologies, Inc. 29 Pleasant Street, P.O. Box 2964 tttleboro, MA 02703 el: +1-508-236-3800 www.sensata.com	В	BA, LA, SM	CP > (0.4 - 0.5) mm CL > (3,000 - 10,000)x OT = -55°C to +150°C FQ = CM CF < (10 - 25) g CR < 1.0 A	
.E.R. Corporation -14-8 Kita-Shinagawa Shinagawa-Ku okyo 140-0001, Japan el: +81-3-5796-0120 www.ser.co.jp	B, D, T	BA, LA, SM, TH	CP > (0.3 - 0.4) mm CL > (20k - 500k)x OT = -40°C to +150°C FQ < (5- 20) GHz @ CM CF & CR = CM	
est Tooling Solutions Group lot 234, Lebuh Kampung Jawa, FTZ Phase 3 layan Lepas, Penang 11900, Malaysia el: +60-4-646-6966 ww.tts-grp.com	D, T	BA, LA, SM, TH	CP > 0.2 mm CL > 1,000,000x OT = -40°C to +150°C FQ < 20 GHz @ -1dB CF & CR = CM	
M, Electronics Solutions Division M Austin Center 801 River Place Blvd. Justin, TX 78726 el: +1-512-984-1800 Jww.3mconnector.com	B, D, P	BA, LA, SM, TH	CP > (0.65 - 2.54) mm CL > 10,000x OT = -55°C to +150°C FQ = CM CF < (8.5 - 80) g CR < (0.5 - 1.0) A	
Jnitechno Inc. +2 Maekawa Shibaura Bldg., 13-9 t-Chome Shibaura, Minato-ku Fokyo 108-0023, Japan Fel: +81-3-5476-5661 vww.unitechno.com	D, T	SM	CP > 0.4 mm OT = -40°C to +150°C FQ < (6 - 8) GHz @ CM CL, CF & CR = CM	

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Wells-CTI 2102 W. Quail Avenue, Ste. 2 Phoenix, AZ 85027 Tel: +1-480-682-6100 www.wellscti.com	В	BA, LA, SM, TH	CP > (0.4 - 0.5) mm CL > (3,000 - 10,000)x OT = -55°C to +150°C FQ = CM CF < (8 - 80) g CR < (0.5 - 2.0) A
WinWay Technology Co. Ltd. 2F, No. 315, Minghua Road, Gushan District Kaohsiung 804, Taiwan Tel: +886-7-552-4599 www.winway.com.tw	B, D, T	BA, LA, SM	CP > (0.3 - 0.4) mm CL > (50k - 500k)x OT = -50°C to +150°C FQ < (0.2 - 14) GHz @ -1dB CF < (10 - 41.3) g CR < (1.5 - 3.0) A
Yamaichi Electronics Co., Ltd. 3-28-7 Nakamagome, Ota-Ku Tokyo 143-8515, Japan Tel: +81-3-3778-6111 www.yamaichi.co.jp	B, D, P, T	BA, BD, LA, SM, TH	CP > 0.4 mm CL = CM OT = -65°C to +150°C FQ < (2.7 - 6.9) GHz @ -1dB CF < (13 - 30) g CR < (0.5 - 1.0) A
Yokowo Co. Ltd. 5-11 Takinogawa 7-Chome, Kita-Ku Tokyo 114-8515, Japan Tel: +81-3-3916-3111 www.yokowo.com	B, D, T	BA, LA, SM	CP > 0.3 mm OT = -55°C to +150°C FQ < 16 GHz @ -1dB CL, CF & CR = CM