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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 FO = 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	В, D, Р, Т	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
C2WIDE Co.,Ltd Rm705,84,GaSanDigital 1Ro, GeumCheonGu Seoul, Korea(153797) Tel: +822-364-1878 www.c2wide.com	B, D, P, T	BA, LA	CP = 0.4/0.5/0.65/0.8/1.0mm CL = 300,000 OT = -55° to 130°C FQ > -0.63dB@20GHz CF = 25~35g CR = 3A Continous
Cascade Microtech, Inc. 2430 NW 206th Avenue Beaverton, OR 97006 Tel: +1-503-601-1000 www.cascademicrotech.com	D, P, T	BA, LA, SM	P > (0.35 - 0.8) mm CL > (50 - 300,000)x OT = -45°C to +175°C FQ < (9.4 - 40.0) GHz CF < (15 - 55) g CR < (1.0 - 4.0) A
C.C.P. Contact Probes. 5F, No. 8, Lane 24, Ho Ping Rd., Panchiao District, New Taipei City 220, Taiwan R.O.C. Tel +886-2-29612525 www.pccp.com.tw	B, D, P, T		CP = > 0.2 mm CL = > 500k OT = -40~170 FQ => 10 GHz CF = 15~45 grams CR = > 3A

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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
Cohu Semiconductor Equipment Group (SEG) 12367 Crosthwaite Circle Poway, CA 92064 USA Tel: 1-858-848-8000 www.cohuseg.com	D, P, T	BA, BD, LA, SM, TH	CP = Contact Pitch > 0.35mm CL = up to 1 Million OT = Temp range -60°C - 175°C FQ = Frequency = <24GHz CF = Contact Force 20 - 40 gram Current rating / pin = < 3A
Contech Solutions Incorporated 631 Montague Avenue San Leandro, CA 94577 Tel: +1-510-357-7900 www.contechsolutions.com	В, D, Т	BA, LA, SM	CP > (0.2 - 0.5) mm CL > 500,000x OT = -55°C to +160°C FQ < (1.1-34.6) GHz @ -1dB CF < (19 - 39) g CR < (1.5 - 4.0) A
Custom Interconnects 2055 S. Raritan Street, Unit A Denver, CO 80223 Tel: +1-303-934-6600 www.custominterconnects.com	D, T	BA, LA, TH	CP > 0.5 mm CL > 500,000x OT = -60°C to +150°C FQ < 40 GHz CF = CM CR < 5.0 A
Emulation Technology, Inc. 759 Flynn Road Camarillo, CA 93012 Tel: +1-805-383-8480 www.emulation.com	B, D, T	BA, BD, LA, SM, TH	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
Enplas Tesco, Inc. 765 N. Mary Avenue Sunnyvale, CA 94085 Tel: +1-408-749-8124 www.enplas-ets.com	В, D, Т	BA, LA, SM	CP > 0.4 mm CL > (10k - 200k)x OT = -65°C to +150°C FQ = CM CF < (14 - 35) g CR < (0.5 -1.0) A
Essai, Inc. 45850 Kato Road Fremont, CA 94538 Tel: +1-510-580-1700 www.essai.com	Т	BA, LA, SM, TH	CP > 0.3 mm CL > (20k - 250k)x OT = -40°C to +145°C FQ < 30 GHz @ -1dB CF < (15 - 40) g CR < (0.5 - 1.0) A
E-tec Interconnect Ltd. Industrial Zone C Forel (Lavaux) CH-1072, Switzerland Tel: +41-21-781-0810 www.e-tec.com	D, P	BA, LA, SM	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
Exatron, Inc. 2842 Aiello Drive San Jose, CA 95111 Tel: +1-408-629-7600 www.exatron.com	D, T	LA, SM	CP > 0.4 mm CL > (100k - 1,000k)x OT = -70°C to +200°C FQ < 40 GHz @ CM CF < (10 - 12) g CR = CM
Gold Technologies, Inc. 2360-F Qume Drive San Jose, CA 95131 Tel: +1-408-321-9568 www.goldtec.com	В, D, Т	СМ	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
High Connection Density, Inc. 820A Kifer Road Sunnyvale, CA 94086 Tel: +1-408-743-9700 www.hcdcorp.com	B, D, P, T	BA, LA	CP > (0.5 - 0.8) mm CL > (50k - 250k)x FQ < (4.4 - 10) GHz @ -1dB CF < (30 - 50) g OT & CR = CM
High Performance Test 48531 Warm Springs Blvd., Suite 413 Fremont, CA 94539 Tel: +1-510-445-1182 www.hptestusa.com	B, D, T	BA, LA, SM	CP > 0.5 mm CL > (100k - 300k)x OT = -50°C to +150°C FQ < 3.0 GHz @ CM CF = CM CR < 5.0 A

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HSIO Technologies, LLC. 13300 67th Avenue North Maple Grove, MN 55311 Tel: 763-447-6260 www.hsiotech.com	D, P, T	BA, BD, LA, SM	CP = ≥0.3mm CL = Product Dependant OT = -55° to 155°C FQ >15-40Ghz @ -1dB CF = Product Dependant CR = 2-4A
Interconnect Systems, Inc. 759 Flynn Road Camarillo, CA 93012 Tel: +1-805-482-2870 www.isipkg.com	P	BA, LA	CP > 0.8 mm CR < 10 A CL, OT, FQ, CF = CM
Incavo Otax, Inc. 2205 Harbor Bay Pkwy Alameda, CA 94502 USA Tel: 1-510-675-0688 USA - Japan - China - Malaysia - Singapore - Taiwan www.incavo.com	B, D, P, T, CM	BA, BD, LA, SM, TH	CP > 0.01 mm CL = 300K to 1000K OT = -55°C to 155°C FQ = 3.0 ~ 40 GHz @ -1dB CF = 6g to 50g CR < 6.0 A
Ironwood Electronics 1335 Eagandale Ct Eagan, MN 55121 Tel: +1-800-404-0204 www.ironwoodelectronics.com	В, D, Т	BA, LA, SM	CP > (0.25 - 0.4) mm CL > (2k - 500k)x OT = -70°C to +200°C FQ < (6 - 40) GHz @ -1dB CF < 50 g CR < (2.0 - 8.0) A
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	В, D, Т	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
Johnstech International Corporation 1210 New Brighton Blvd. Minneapolis, MN 55413 Tel: +1-612-378-2020 www.johnstech.com	D, P, T	BA, BD, LA, SM	CP > 0.3 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
Leeno Industrial Inc. 10 105 beon-gil MieumSandan-ro Gangseo-gu, Busan, Korea 408-313-2964(US)/82-51-792-5641 www.leeno.com	B, D, P, T, CM	BA, BD, LA, SF, TH	CP > 0.1 mm CL = >200K OT = -55C ~ 150C FQ = 6ghz ->50ghz@ -1db CF = 6g - 50g CR = =<3.0A @0.4p
Loranger International Corp. 303 Brokaw Road Santa Clara, CA 95050 Tel: +1-408-727-4234 www.loranger.com	В, D, Т	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	В, D, Т	BA, SM	CP > 0.2 mm FQ < 40 GHz @ -1dB CL, OT, CF & CR = CM
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

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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 Electronic Systems 4444 Centerville Road, Suite 105 Saint Paul, MN, 55127-3700 Tel: 1-651 407 7726 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	В, D, Т	BA, LA, SM	CP > $(0.4 - 0.5)$ mm CL > $(10k - 100k)x$ OT = -55° C to $+150^{\circ}$ C FQ < $(7.0 - 12.4)$ GHz @ -1 dB 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 > 0.4 mm CL > 1,000,000x OT = -40°C to +150°C FQ < 40 GHz @ -1dB CF < 25 g CR < 3.5 A
Plastronics Socket Company 2601 Texas Drive Irving, TX 75062 Tel: +1-972-258-2580 www.plastronics.com PLASTRONICS 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
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
R&D Altanova 3601 So. Clinton Avenue, South Plainfield, NJ 07080 Phone: 732-549-4554 Fax: 732-549-1388 www.rdaltanova.com	D, P, T	BA, BD, LA, SM	CP < 0.3 mm CL = 150,000x OT = -40° to 150°C FQ > 38GHz @ -1dB CF = 15g CR = 4A
Rika Denshi Co., Ltd. 1-18-17, 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

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Robson Technologies Inc. 135 E. Main Avenue, Suite 130 Morgan Hill, CA 95037 Tel: +1-408-779-8008 www.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
RS Tech Inc. 2222 W. Parkside Lane, Suite 117-118 Phoenix, AZ 85027 Tel: +1-623-879-6690 www.rstechinc.com	В, D, Т	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. 6475 Camden Avenue, Suite 100 San Jose, CA 95120 Tel: +1-408-269-2800 www.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
Sensata Technologies, Inc. 529 Pleasant St, P.O. Box 2964 Attleboro, MA 02703 Tel: +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
S.E.R. Corporation 1-14-8 Kita-Shinagawa Shinagawa-Ku Tokyo 140-0001, Japan Tel: +81-3-5796-0120 www.ser.co.jp	В, D, Т	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
Smiths Connectors 5101 Richland Avenue Kansas City, KS 66106 913-342-5544 www.smithsconnectors.com	D, T	BA, BD, LA, SM	CP > 0.2 mm CL > 250k - 1M OT - 40° to 150°C FQ < 25GHz @ -1db CF 8 - 85 grams CR 1.5 to 5 Amps
Test Tooling Solutions Group Plot 234, Lebuh Kampung Jawa, FTZ Phase 3, 11900, Bayan Lepas, Penang, Malaysia. Tel: 604-646 6966 www.tts-grp.com	D, T, P	BA, BD, LA, SM, TH	$CP \ge 0.2mm$ CL > 200k - 500k $OT = -40^{\circ}C$ to + 180°C FQ < 30GHz @ 1dB CF = 8 to 45g CR < 6.0A CF & CR = CM
3M, Electronics Solutions Division 3M Austin Center 6801 River Place Blvd. Austin, TX 78726 Tel: +1-512-984-1800 www.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
Unitechno Inc. #2 Maekawa Shibaura Bldg., 13-9 2-Chome Shibaura, Minato-ku Tokyo 108-0023, Japan Tel: +81-3-5476-5661 www.unitechno.com	D, T	SM	CP > 0.4 mm OT = -40°C to +150°C FQ < (6 - 8) GHz @ CM CL, CF & CR = CM

COMPANY HEADQUARTERS SOCKET PACKAGE SOCKET **SPECIFICATIONS TYPES** TYPES B = Burn-in Company BA = Ball Array CP = Contact Pitch D = Development Street Address BD = Bare Die CL = Contact Life P = Production City, State, Country LA = Leadless Array OT = Op. Temp. Range T = Test Contactor Telephone SM = Surface Mount FQ = Frequency (Ins. Loss) Website TH = Through Hole CF = Contact Force / Pin CM = Contact Mfgr. CR = Current Rating / Pin WinWay Technology Co. Ltd. CCP > (0.2 - 0.4) mm BA, BD, LA, SM No. 68, Chuangyi S. Road, Second B, D, T CL > (50k - 500k)xDistrict of Nanzih Export Processing OT = -50°C to +150°C Zone, Nanzih Dist FQ < (0.2 - 30) GHz @ -1dB Kaohsiung City 81156, Taiwan Tel: +886-7-361-0999 WinWay CF < (10 - 41.3) g CR < (1.5 - 7.0) A www.winwayglobal.com Yamaichi Electronics Co., Ltd. B, D, P, T BA, BD, LA, SM, TH CP > 0.4 mm 3-28-7 Nakamagome, Ota-Ku Tokyo 143-8515, Japan CL = CM $OT = -65^{\circ}C \text{ to } +150^{\circ}C$ Tel: +81-3-3778-6111 FQ < (2.7 - 6.9) GHz @ -1dB www.yamaichi.co.jp CF < (13 - 30) qCR < (0.5 - 1.0) A Yokowo Co. Ltd. B, D, T BA, LA, SM CP > 0.3 mm 5-11 Takinogawa 7-Chome, Kita-Ku OT = -55°C to +150°C Tokyo 114-8515, Japan FQ < 16 GHz @ -1dB Tel: +81-3-3916-3111 CL, CF & CR = CM www.yokowo.com

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