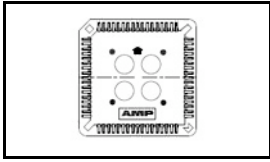


1-822473-6 Product Details

[Share](#) [Print](#) [Email](#)


1-822473-6

TE Internal Number: 1-822473-6

 Pending Obsolescence

[Contact Product Information Center](#)

 [View 3D PDF](#)

PLCC Sockets

 Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Socket Type = PLCC - Standard
- 68 Positions
- 2.54 mm Centerline
- Normal Insertion Force
- Through Hole Contact Termination Type

[View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)

[Request Sample](#)

[Find Similar Products](#)

[Buy Product](#)

Documentation & Additional Information

Product Drawings:

- [SOCKET ASSEMBLY, PLCC, SOLDERTAIL](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version H)
- [3D Model](#) (IGES, Version H)
- [3D Model](#) (STEP, Version H)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- [Insertion Force](#) = Normal
- [Polarizing Pin](#) = Without
- Package Configuration = Square

Termination Features:

- [Contact Termination Type](#) = Through Hole

Dimensions:

- [Height Above PC Board](#) (mm [in]) = 8.47 [0.333]

Body Features:

- Socket Type = PLCC - Standard

Contact Features:

- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Tin

Housing Features:

- Centerline (mm [in]) = 2.54 [0.100]
- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0

Configuration Features:

- [Number of Positions](#) = 68

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Packaging Features:

- [Packaging Method](#) = Tube

Other:

- Brand = AMP

Corporate Information

[About TE](#)
[Investors](#)
[News Room](#)
[Supplier Portal](#)
[Careers](#)
[Terms & Conditions](#)
[Privacy Policy](#)

Quick Links

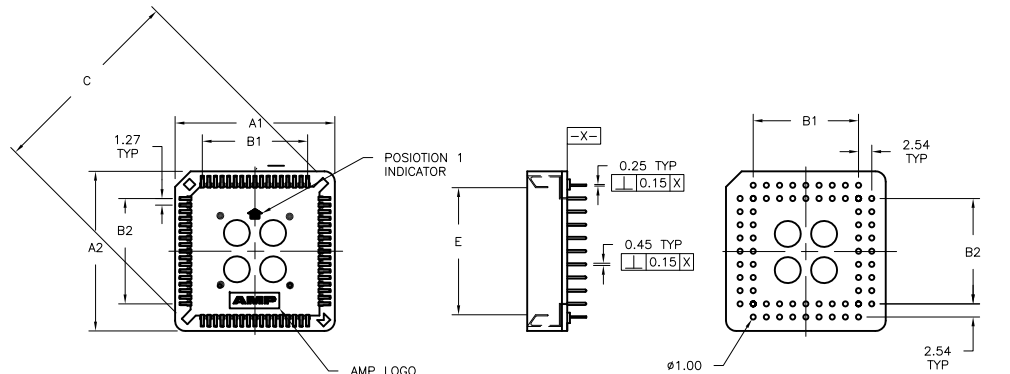
[Distributor Inventory](#)
[Product Cross Reference](#)
[Documents & Drawings](#)
[Product Compliance Support Center](#)
[Site Map](#)

Customer Support

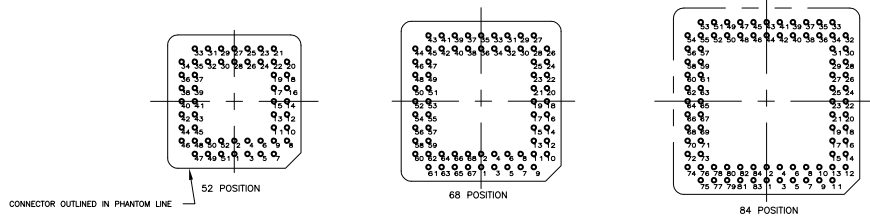
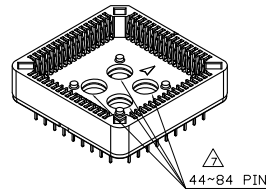
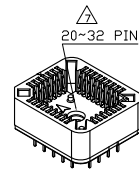
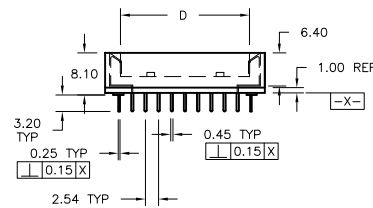
[Email or Chat With Us](#)
[Find a Phone Number](#)
[Knowledge Base](#)
[Manage Your Account](#)

Keep Me Informed





RECOMMENDED PCB FOOT PRINT



RECOMMENDED CIRCUIT CONFIGURATION
VIEWED FROM COMPONENT SIDE OF CIRCUIT

- △ MATERIAL:
HOUSING - THERMOPLASTIC UL94 V-0.
CONTACT - PHOSPHOR BRONZE.
- △ FINISH: CONTACT PLATING: 1.52 μ m 90/10 BRIGHT OR MATTE
TIN-LEAD OVER 0.51 μ m NICKEL ALL OVER.
- 3 PLASTIC LEADED CHIP CARRIER MUST CONFORM TO JEDEC SPECS.
MS-016 & MS-018.
- 4 SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE. CONTACT
TE CONNECTIVITY FOR THE LATEST SPECIFICATIONS.
- △ FINISH: CONTACT PLATING 2.54 μ m BRIGHT OR MATTE TIN OVER 1.27 μ m NICKEL,
ALL OVER.
- △ ROHS 2002/95/EC COMPLIANT
- △ SLOT HOLE, NO FUNCTION (1 HOLE FOR 20 ~ 32 PIN; 4 HOLE FOR 44 ~ 84 PIN)

PERFORMANCE INFORMATION		
TEST DESCRIPTION	REQUIREMENT	TEST SPECIFICATION
CONTACT RESISTANCE	20 MILLIOHMS MAX INITIAL, 40 MILLIOHMS MAX FINAL AFTER VIBRATION OR HUMIDITY.	MIL-STD-202G METHOD 307
INSULATION RESISTANCE	1,000 MEGAOHMS MIN INITIAL, 500 MEGAOHMS MIN AFTER HUMIDITY.	MIL-STD-202G METHOD 302
DIELECTRIC WITHSTANDING VOLTAGE	500 VAC BETWEEN ADJACENT CONTACTS, 1 MINUTE HOLD. NO EVIDENCE OF BREAKDOWN OR FLASHOVER AFTER HUMIDITY.	MIL-STD-202G METHOD 301
VIBRATION	10-55-10 HZ PER MINUTE, 1.5mm AMPLITUDE, 2 HOURS IN EACH DIRECTION. 100 nsec. MAX DISCONTINUITIES OR LOOSENING OF PARTS. MUST PASS CONTACT RESISTANCE.	EIA-364-28 CONDITION 1
DURABILITY	30 CYCLES NO VISIBLE DEFECTS, CONTACT RESISTANCE 40 MILLIOHMS MAX.	EIA-364-09
MATING FORCE	425 GRAMS (15 OZ) MAX PER CONTACT. INSERT AT CONSTANT SPEED OF 25mm PER MINUTE.	MIL-STD-1344A METHOD 2013.1
UNMATING FORCE	10 GRAMS (.35 OZ) MIN PER CONTACT. WITHDRAW AT CONSTANT SPEED OF 25mm PER MINUTE.	MIL-STD-1344A METHOD 2013.1
COLD TEST	TEMPERATURE: -40°C±3°C DURATION: 48±1 HOURS RESISTANCE VALUE AFTER TEST 40mΩ. APPEARANCE SHALL NOT BE DISTINCT DAMAGE.	JIS-C-0020
HIGH TEMP TEST	TEMPERATURE: 85°C±3°C DURATION: 96 HOURS RESISTANCE VALUE AFTER TEST 40mΩ. APPEARANCE SHALL NOT BE DISTINCT DAMAGE.	JIS-C-0021
CONTACT RETENTION FORCE	300 GRAMS (10.5 OZ) MIN PER CONTACT. CONTACT PULLED AT CONSTANT SPEED OF 25mm PER MINUTE.	ANSI/EIA-364-29
HUMIDITY	95 HOURS AT 90-95% RELATIVE HUMIDITY AT 40±2°C. MUST PASS INSULATION RESISTANCE, DIELECTRIC WITHSTANDING OR CONTACT RESISTANCE.	JIS-C-0022
SOLDERABILITY	95% MINIMUM COVERAGE. IMMERSE FOR 3±5 SECONDS IN 260±5°C BATH.	JIS-C-0050
CURRENT RATING	1 AMP	-
VOLTAGE RATING	250V	-
OPERATING TEMPERATURE RATING	-20°C TO 85°C	-

△	△	29.42	29.42	46.15	25.40	25.40	35.88	35.88	1248	TUBE	84	1-822473-7
△	△	24.38	24.38	39.00	20.32	20.32	30.80	30.80	1596	TUBE	68	1-822473-6
△	△	19.30	19.30	31.50	15.24	15.24	25.72	25.72	2254	TUBE	52	1-822473-5
△	△	16.74	16.74	27.50	12.70	12.70	23.18	23.18	2800	TUBE	44	1-822473-4
△	△	13.94	11.36	22.65	10.16	7.62	20.54	18.10	4060	TUBE	32	1-822473-3
△	△	11.46	11.46	20.70	7.62	7.62	18.10	18.10	4620	TUBE	28	1-822473-2
△	△	8.90	8.90	17.20	5.08	5.08	15.56	15.56	6552	TUBE	20	1-822473-1
△	△	29.42	29.42	46.15	25.40	25.40	35.88	35.88	1248	TUBE	84	822473-7
△	△	24.38	24.38	39.00	20.32	20.32	30.80	30.80	1596	TUBE	68	822473-6
△	△	19.30	19.30	31.50	15.24	15.24	25.72	25.72	2254	TUBE	52	822473-5
△	△	16.74	16.74	27.50	12.70	12.70	23.18	23.18	2800	TUBE	44	822473-4
△	△	13.94	11.36	22.65	10.16	7.62	20.54	18.10	4060	TUBE	32	822473-3
△	△	11.46	11.46	20.70	7.62	7.62	18.10	18.10	4620	TUBE	28	822473-2
△	△	8.90	8.90	17.20	5.08	5.08	15.56	15.56	6552	TUBE	20	822473-1

FINISH	E	D	C	B2	B1	A2	A1	TOTAL QUANTITY PER CARTON	PACKAGING	NO. OF POSITIONS	AMP PART NUMBER
--------	---	---	---	----	----	----	----	---------------------------	-----------	------------------	-----------------

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWG. NO. 25A000
CHG. NO. 25A000
REV. NO. 25A000

DIMENSIONS: 1/16" 1/32" 1/64" 1/8" 1/4" 1/2" 1" 2" 4" 8" 16" 32" 64" 128" 256" 512" 1024" 2048" 4096" 8192" 16384" 32768" 65536" 131072" 262144" 524288" 1048576" 2097152" 4194304" 8388608" 16777216" 33554432" 67108864" 134217728" 268435456" 536870912" 1073741824" 2147483648" 4294967296" 8589934592" 17179869184" 34359738368" 68719476736" 137438953472" 274877906944" 549755813888" 1099511627776" 2199023255552" 4398046511104" 8796093022208" 17592186044416" 35184372088832" 70368744177664" 140737488355328" 281474976710656" 562949953421312" 1125899906842624" 2251799813685248" 4503599627370496" 9007199254740992" 18014398509481984" 36028797018963968" 72057594037927936" 144115188075855872" 288230376151711744" 576460752303423488" 1152921504606846976" 2305843009213693952" 4611686018427387904" 9223372036854775808" 18446744073709551616" 36893488147419103232" 73786976294838206464" 147573952589676412928" 295147905179352825856" 590295810358705651712" 1180591620717411303424" 2361183241434822606848" 4722366482869645213696" 9444732965739290427392" 18889465931478580854784" 37778931862957161709568" 75557863725914323419136" 151115727451828646838272" 302231454903657293676544" 604462909807314587353088" 1208925819614629174706176" 2417851639229258349412352" 4835703278458516698824704" 9671406556917033397649408" 19342813113834066795298816" 38685626227668133590597632" 77371252455336267181195264" 154742504910672534362390528" 309485009821345068724781056" 618970019642690137449562112" 1237940039285380274899144224" 2475880078570760549798288448" 4951760157141521099596576896" 9903520314283042199193153792" 19807040628566084398386307584" 39614081257132168796772615168" 79228162514264337593545230336" 158456325028528675187090460672" 316912650057057350374180921344" 633825300114114700748361842688" 1267650600228229401496723685376" 2535301200456458802993447370752" 5070602400912917605986894741504" 10141204801825835211973789483008" 20282409603651670423947578966016" 40564819207303340847895157932032" 81129638414606681695790315864064" 16225927682921336339158063728128" 32451855365842672678316127456256" 64903710731685345356632254912512" 129807421463370690713264519825024" 259614842926741381426529039650048" 51922968585348276285305807930016" 103845937170696552570611615860032" 207691874341393105141223231720064" 415383748682786210282446463440128" 830767497365572420564892926880256" 1661534994731144841129785853760512" 33230699894622896822595717075201024" 66461399789245793645191434150402048" 132922799578491587290382868300804096" 265845599156983174580765736601608192" 531691198313966349161531473203216384" 1063382396627932698323062946406426688" 212676479325586539664612589281285376" 42535295865117307932922517856256715328" 8507059173023461586584503571251430656" 17014118346046923173169007142508601312" 34028236692093846346338014285017202624" 68056473384187692692676028570034405248" 136112946768375385385352057140068810496" 272225893536750770770704114280137620992" 544451787073501541541408228560275241984" 108890357414700308308281645712055049376" 217780714829400616616563291424110098752" 435561429658801233233126582848220197504" 871122859317602466466253165696440395008" 1742245718635204932932506311392880790016" 3484491437270409865865012622785761580032" 6968982874540819731730025245571523160064" 1393796574908163946346005091114246320128" 2787593149816327892692010182228492640256" 5575186299632655785384020364456985280512" 11150372599265311570768040728913970561024" 223007451985306231415360814577879401120256" 446014903970612462830721631557588802240512" 8920298079412249256614432631151776044801024" 17840596158824498513228865262303552089602048" 35681192317648997026457730524607104179204096" 71362384635297994052915461049214208358408192" 142724769270595988105830922098428416716816384" 285449538541191976211661844196856833433632768" 57089907708238395242332368839371366686665536" 114179815416476790484664737678742733733331072" 228359630832953580969329475357485467466662144" 456719261665907161938658950714970934933324288" 913438523331814323877317901429941879866648576" 18268770466636286477546358028598375977332915328" 3653754093327257295509271605719675195466583072" 7307508186654514591018543211439350390933166144" 14615016373309029182037086422878700781866332288" 2923003274661805836407417284575740156373264576" 5846006549323611672814834569151480312746529152" 11692013098647223345629669128302800625493058304" 23384026197294446691259338256605601250986116608" 46768052394588893382518676513211202501972233216" 9353610478917778676503735302642240500394446656" 18707220957835557353007470605284481000788893312" 37414441915671114706014941210568962001577786624" 748288838313422294120298824211379240031555536" 1496577676626844588440597648422758480063111072" 2993155353253689176881195296845516801262222144" 598631070650737835376239053769103360252444288" 1197262141301475670752478107538206720504888576" 23945242826029513415049562150764134401009777152" 47890485652059026830099124301528268802019554256" 957809713041180536601982486030565376040391088" 1915619426082361073203964972061131744080782176" 3831238852164722146407929944122263488161564352" 766247770432944429281585988824452697772328704" 1532495440865888858563171977649105345444657408" 3064990881731777717126343955298210688891114816" 6129981763463555434252687910596421377782229632" 12259963526927110869005375821192842755564459248" 24519927053854221738010751642385685511128899872" 490398541077084434760215032847713710222577976" 980797082154168869520430065695427420445555536" 1961594164308337739040860131390854840891111072" 3923188328616675478081720262781709681782222144" 7846376657233350956163440525563419363564444288" 156927533144667019123268810511126867271288896" 3138550662893340382465376210222537445425777792" 6277101325786680764930752420445074890855554848" 1255420265157336152986150484089014817111110976" 2510840530314672305972300868178028342222222192" 502168106062934461194460173635605668444444384" 1004336212125868922388920347271211336888888768" 200867242425173784477784069454242267777777512" 40173448485034756895556813890848453555554224" 8034689697006951379111362778169691111110448" 1606937939401390275822272555633922222220896" 3213875878802780551644545111267444444417792" 642775175760556110328909022253488888883536" 128555035152111222065781804456777777770704" 25711007030422244413156363671355555541408" 5142201406084448882631272732711111102816" 10284402812168897765262545465422222205632" 205688056243377955305250909308444441112624" 41137611248675591061051818861688888225248" 82275224973351182122101337723377777445472" 16455044994670236424420267544755555890944" 32910089989340472848840535089511111781888" 65820179978680945697681070179022223563776" 131640359957361891395362140358044447127552" 263280719914723782790724280716088884255104" 526561439829447565581448561432177774510208" 1053122879658895131162897122864355559020416" 210624575931779026232579425772871111804032" 42124915186355805246515885154561422221608064" 8424983037271161049303177030912844443216128" 16849966074542322098606344061825688886432512" 336999321490846441972126881235513777728625248" 6739986429816928839442537624710755555772512" 13479972859633857678885075249421511111545024" 2695994571926771535777015049884222222890048" 539198914385354307155403009976844445780096" 10783978287707086143108060195537777711560192" 21567956575414172286216120391075555523120384" 431359131508283445724322407821511114620768" 862718263016566891448644815642222229241536" 1725436526033133782897289631284444448482872" 3450873052066267565794579262568888881765744" 6901746104132535131589155825137777773531488" 1380349220826507026317811650227555557062816" 2760698441653014052635623300455111114125632" 5521396883306028105271246600910222228251248" 1104279376661205621054249320182044445502592" 22085587533224112421084986403640888810005824" 441711750664482248421699728072817777720011648" 88342350132896449684339945614563555540023296" 17668470026579289936867989122917111180046592" 35336940053158579873735978245834222240093184" 7067388010631715974747195649166844448018656" 141347760212634319494943912983328888816137312" 28269552042526863898988782596665777732274624" 56539104085053727797977565193331555564449248" 11307820817010745559595513038666311112888896" 2261564163402149111919102607733222225777792" 45231283268042982238382052154664444411555536" 904625665360859644767641043093288888231111072" 18092513307217192893352820861865777746222224" 3618502661443438578670564172373155559244448" 7237005322886877157341128344646111118488896" 14474010645773754314682256689292222216977792" 2894802129154750862936451377858444443355536" 5789604258309501725