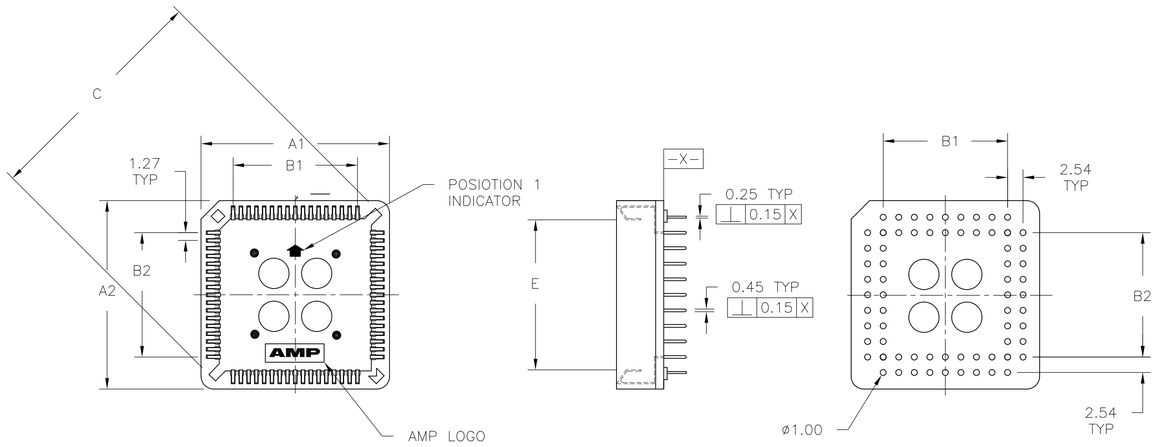
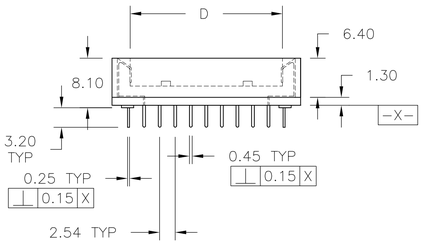
LOC	DIST
AG	53

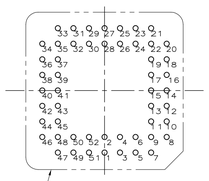
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	G2	ECO-07-005547	18JUN07	MB	DR

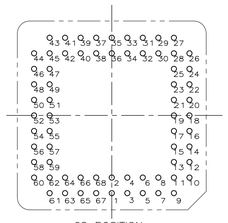


RECOMMENDED PCB FOOT PRINT

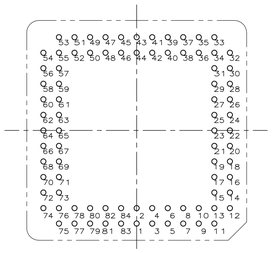




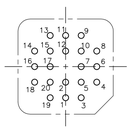
52 POSITION



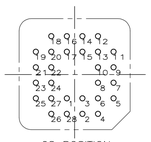
68 POSITION



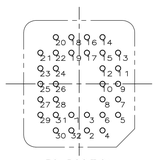
84 POSITION



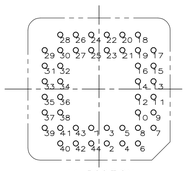
20 POSITION



28 POSITION



32 POSITION



44 POSITION

RECOMMENDED CIRCUIT CONFIGURATION
VIEWED FROM COMPONENT SIDE OF CIRCUIT

1. MATERIAL:
   HOUSING - THERMOPLASTIC UL94 V-0.
   CONTACT - PHOSPHOR BRONZE.
2. FINISH: CONTACT PLATING: 1.52µm 90/10 TIN-LEAD OVER 0.51µm 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 AMP FOR THE LATEST SPECIFICATIONS.
5. FINISH: CONTACT PLATING 2.03µm TIN OVER 0.76µm NICKEL, ALL OVER.
6. ROHS 2002/95/EC COMPLIANT

PERFORMANCE INFORMATION

TEST DESCRIPTION	REQUIREMENT	TEST SPECIFICATION
TERMINATION RESISTANCE	20 MILLIOHMS MAX INITIAL, 40 MILLIOHMS MAX FINAL AFTER VIBRATION, HUMIDITY AND THERMAL SHOCK.	MIL-STD-1344A METHOD 3004.1
INSULATION RESISTANCE	1,000 MEGAOHMS MIN INITIAL, 500 MEGAOHMS MIN AFTER HUMIDITY AND THERMAL SHOCK.	MIL-STD-1344A METHOD 3003.1
DIELECTRIC WITHSTANDING VOLTAGE	600V RMS BETWEEN ADJACENT CONTACTS, 1 MINUTE HOLD. NO EVIDENCE OF BREAKDOWN OR FLASHOVER AFTER HUMIDITY AND THERMAL SHOCK.	MIL-STD-1344A METHOD 3001.1
VIBRATION	10-55-10 HZ PER MINUTE, 1.52mm AMPLITUDE, 2 HOURS IN EACH DIRECTION. NO DISCONTINUITIES OR LOOSENING OF PARTS. MUST PASS TERMINATION RESISTANCE.	MIL-STD-1344A CONDITION B METHOD 2005.1
DURABILITY	30 CYCLES NO VISIBLE DEFECTS, CONTACT RESISTANCE 20 MILLIOHMS MAX.	MIL-STD-1344A METHOD 2016
MATING FORCE	425 GRAMS (15 OZ) MAX PER CONTACT. INSERT AT CONSTANT SPEED OF 25mm PER MINUTE.	-
UNMATING FORCE	10 GRAMS (.35 OZ) MIN PER CONTACT. WITHDRAW AT CONSTANT SPEED OF 25mm PER MINUTE.	-
THERMAL SHOCK	25 CYCLES 1 CYCLE = -25°C FOR 30 MINUTES AND +105°C FOR 30 MINUTES. MUST PASS INSULATION RESISTANCE, DIELECTRIC WITHSTANDING AND TERMINATION RESISTANCE.	MIL-STD-202F CONDITION B METHOD 107E
CONTACT RETENTION FORCE	250 GRAMS (8.8 OZ) MIN PER CONTACT. CONTACT PULLED AT CONSTANT SPEED OF 25mm PER MINUTE.	-
HUMIDITY	48 HOURS AT 90-95% RELATIVE HUMIDITY AT 40°±2°C. MUST PASS INSULATION RESISTANCE, DIELECTRIC WITHSTANDING AND TERMINATION RESISTANCE.	MIL-STD-1344A TYPE 1, CONDITION B METHOD 1002.2
SOLDERABILITY	95% MINIMUM COVERAGE. IMMERSE FOR 5±.5 SECONDS IN 230°±5°C BATH.	MIL-STD-202F METHOD 208
RESISTANCE TO SOLDERING HEAT	IMMERSE FOR 5±.5 SECONDS IN 260°±5°C BATH. SPECIMEN MOUNTED ON PC BOARD. NO DEFORMATION ALLOWED.	-
CURRENT RATING	1 AMP	-
VOLTAGE RATING	250V	-
TEMPERATURE RATING	-55°C TO +170°C	-

		FINISH	E	D	C	B2	B1	A2	A1	TOTAL QUANTITY PER CARTON	PACKAGING	NO. OF POSITIONS	AMP PART NUMBER
	1	2	29.42	29.42	46.15	25.40	25.40	35.88	35.88	1248	TUBE	84	1-822473-7
	1	2	24.38	24.38	39.00	20.32	20.32	30.80	30.80	1596	TUBE	68	1-822473-6
	1	2	19.30	19.30	31.50	15.24	15.24	25.72	25.72	2254	TUBE	52	1-822473-5
	1	2	16.74	16.74	27.50	12.70	12.70	23.18	23.18	2800	TUBE	44	1-822473-4
	1	2	13.94	11.36	22.65	10.16	7.62	20.54	18.10	4060	TUBE	32	1-822473-3
	1	2	11.46	11.46	20.70	7.62	7.62	18.10	18.10	4620	TUBE	28	1-822473-2
	1	2	8.90	8.90	17.20	5.08	5.08	15.56	15.56	6552	TUBE	20	1-822473-1
SUPERSEDED BY 1-822473-7	1	2	29.42	29.42	46.15	25.40	25.40	35.88	35.88	1248	TUBE	84	822473-7
SUPERSEDED BY 1-822473-6	1	2	24.38	24.38	39.00	20.32	20.32	30.80	30.80	1596	TUBE	68	822473-6
SUPERSEDED BY 1-822473-5	1	2	19.30	19.30	31.50	15.24	15.24	25.72	25.72	2254	TUBE	52	822473-5
SUPERSEDED BY 1-822473-4	1	2	16.74	16.74	27.50	12.70	12.70	23.18	23.18	2800	TUBE	44	822473-4
SUPERSEDED BY 1-822473-3	1	2	13.94	11.36	22.65	10.16	7.62	20.54	18.10	4060	TUBE	32	822473-3
SUPERSEDED BY 1-822473-2	1	2	11.46	11.46	20.70	7.62	7.62	18.10	18.10	4620	TUBE	28	822473-2
SUPERSEDED BY 1-822473-1	1	2	8.90	8.90	17.20	5.08	5.08	15.56	15.56	6552	TUBE	20	822473-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: MM

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ± 0.20
3 PLC ±
4 PLC ±
ANGLES ±

MATERIAL 1 FINISH 2 5

DWN	A.HOLT	26AUG99
CHK	B.KUHNLY	25MAR99
APVD	B.KUHNLY	25MAR99
PRODUCT SPEC	SEE NOTES	
APPLICATION SPEC	NONE	
WEIGHT		

CUSTOMER DRAWING

Tyco Electronics Corporation
Harrisburg, Pa. 17105

SOCKET ASSEMBLY, PLCC, SOLDERTAIL

SIZE	FSCM CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-822473	

SCALE 2:1 SHEET 1 OF 1 REV G2

OBSOLETE
NOT the LATEST REVISION