

ENGINEERING	PRODUCT SPECIFICATION	SPEC.NO.: SPCI1221
DEPT.	For CID1 Series Connector System	PAGE: 1/3

1. SCOPE:

This specification contains the test requirement of subject connectors when tested under the condition and procedure with terminals crimped on the specified maximum size wire

2. APPLICABLE STANDARDS:

MIL - STD - 202 Methods for test of connectors for electronic equipment
MIL - STD - 1344 Test methods for electrical connectors

3. APPLICABLE SERIES NO: CID1 Series

4. SHAPE, CONSTRUCTION AND DIMENSIONS

See attached drawings

5. MATERIALS

See attached drawings

6. ACCOMMODATED P.C.BOARD

6.1 Thickness: 0.6 mm (.024") ~ 1.2 mm (.047"),1.6mm(.063")
6.2 P.C. Board Layout: See attached drawings



REVIEWED : David APPROVED : Eisley VERIFIED : Hank .



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7. ELECTRICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
7.1	Rated current and voltage		(AWG#18 OD:0.80mm) 9.0A AC (r.m.s.)/DC 300V AC (r.m.s.)/DC
7.2	Contact resistance	Dry circuit of DC 20 mV max. , 100 mA max.	Less than 20 mΩ
7.3	Dielectric strength	When applied AC 1600 V 1 minute between adjacent terminal	No change
7.4	Insulation resistance	When applied DC 500 V between adjacent terminal or ground	More than 1000 MΩ

8. MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
8.1	Single contact withdrawal force	Measure force to withdrawal using diameter 0.80mm solid wire at speed 25± 3 mm per minute	2.0 Kgf min.

9. ENVIRONMENTAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
9.1	Vibration	1.5 mm 10-55-10 HZ / minute each 2 hours for X , Y and Z directions (MIL-STD-202,method 201A)	Appearance: No damage Discontinuity: 1 micro second max.
9.2	Solder ability	Lead-Free Process for SMT Type: Soldering time: 3 ± 0.5 second Soldering pot: 245 ± 5°C	Minimum: 90% of immersed area
9.3	Resistance to soldering heat	Refer Reflow temperature profile	No damage
9.4	Heat aging	85 ± 2°C , 96 hours(JIS C0021/MIL-STD-202,method 108A,condition A)	No damage Contact resistance: Less than twice of initial



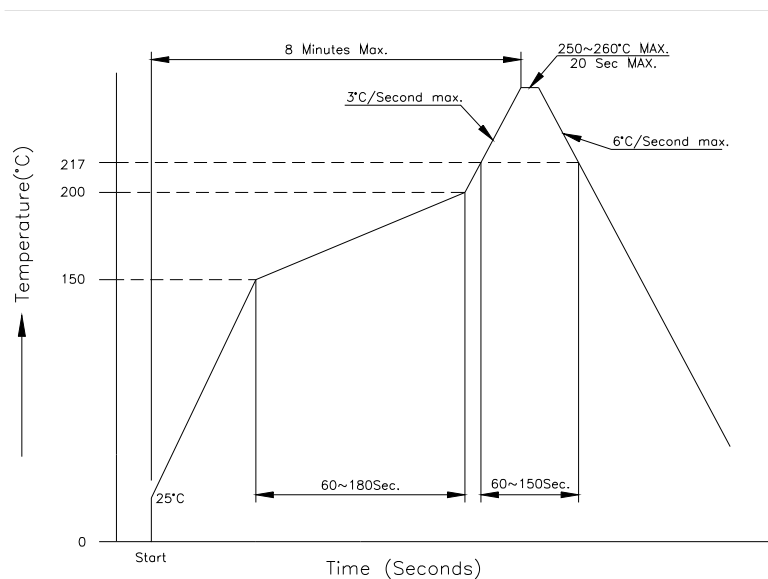
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	ITEM	TEST CONDITION	REQUIREMENT
9.5	Humidity	60 ± 2°C , 90-95% RH , 96 hours measurement must be taken within 30 min. after tested (JIS C0020/MIL-STD-202, method 103 B, condition B)	Appearance: No damage Contact resistance: Less than twice of initial Insulation resistance: To pass Para 7-4
9.6	Temperature cycling	Five cycle consists of :(JIS C0025) (1)-55 ⁺⁰ / ₋₃ °C , 30 min. (2)Room temp. 10-15 min. (3) 85 ⁺³ / ₋₀ °C , 30 min. (4)Room temp. 10-15 min.	Appearance: No damage Contact resistance: Less than twice of initial
9.7	Salt spray	Temperature: 35 ± 2°C Solution: 5 ± 1% Spray time: 48 ± 4 hours Measurement must be taken after water rinse(JIS C5028/MIL-STD-202, method 101 D, condition B)	Appearance: No damage Contact resistance: Less than twice of initial

10. AMBIENT TEMPERATURE RANGE: -35 to + 105°C

11. Recommended IR Reflow Temperature Profile:

11.1 Using Lead-Free Solder Paste





ECBT2.E159616

Connectors for Use in Data, Signal, Control and Power Applications - Component

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Connectors for Use in Data, Signal, Control and Power Applications - Component

[See General Information for Connectors for Use in Data, Signal, Control and Power Applications - Component](#)**CVILUX CORP**

E159616

9TH FL

9 LANE 3 CHUNG CHENG E RD, SEC 1

TAMSHUI, TAIPEI 251 TAIWAN

Connector, "CA30 (M) Series", Model(s) CA30 (d)**Connector, "CA32 (M) Series"**, Model(s) CA32 (e)**Connector**, Model(s) CD72, followed by 09, 15, 25 or 37, followed by P, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by 00, B0, B1, C0, C1, D3, D4, D5, D7, N0, N1, AA, A0 or A1.

CD72, followed by 09, 15, 25 or 37, followed by P, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by DE, followed by LF.

CD72, followed by 09, 15, 25 or 37, followed by S, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by 00, B0, B1, C0, C1, D3, D4, D5, D7, N0 or N1.

CD72, followed by 09, 15, 25 or 37, followed by S, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by DE, followed by T0 or blank, followed by LF.

CD72, followed by 50, followed by P, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by 00, B0, B1, C0, C1, D3, D4, N0 or N1.

CD72, followed by 50, followed by S, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by 00, B0, B1, C0, C1, D3, D4, D7, N0 or N1.

CD72, followed by 50, followed by S, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by DE or DF, followed by LF.

CI0702M, followed by one alphanumeric digit, followed by V, followed by one alphanumeric digit, followed by 1 or L, followed by -NH

CI10, followed by 02 thru 16, followed by P, followed by one alphanumeric digit, followed by H, followed by K, followed by one alphanumeric digit.

CI39, followed by 02 thru 18, followed by M, followed by one alphanumeric digit, followed by V, followed by two alphanumeric digits, followed by -NH.

CI43, followed by 04, 05, 06 or 08, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by A-LF

CI88, followed by 02 thru 18, followed by P, followed by one alphanumeric digit, followed by H or V, followed by 00, followed by -NH.

CID1, followed by 01 thru 03, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by 0, followed by -NH

CIL102M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by -NH.

CP-01, followed by 4, followed by 06, followed by 1 or 2, followed by 5, followed by M or blank, followed by -PA.

CP15, followed by 03 or 04, followed by M, followed by 1 or 2, followed by P or S, followed by R or T, followed by 0 thru 9, followed by NH, followed by X01 thru X99 or blank

CP1602M, followed by one alphanumeric digit, followed by V, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by -NH

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by H00-S, followed by -LF or -NH, followed by -T

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by V00-S, followed by -LF or -NH, followed by -T

Connectors, "CA30 (I) Series", Model(s) CA30, followed by 04 thru 26, followed by P, followed by two alphanumeric digits, followed by I, followed by one alphanumeric digit.

Connectors, "CA32(H) Series or CA32(V) Series", Model(s) CA32, followed by 04 thru 26, followed by H or V, followed by three alphanumeric digits, followed by 0 or L.

Connectors, "CA32(M) Series", Model(s) CA32, followed by 04 thru 26, followed by M, followed by three alphanumeric digits, followed by 0 or L.

Connectors, "CB74(M) Series", Model(s) CB74, followed by 06 thru 60, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit, followed by 0 or 1.

Connectors, "CF25(05) Series", Model(s) CF25, followed by 08 thru 65, followed by one alphanumeric digit, followed by D, followed by three alphanumeric digits, followed by -05.

Connectors, "CF25(10) Series", Model(s) CF25, followed by 04 thru 32, followed by one alphanumeric digit, followed by D, followed by three alphanumeric digits, followed by -10.

Connectors, "CI01(P) Series", Model(s) CI01, followed by 06 thru 32, followed by P, followed by one alphanumeric digit, followed by H or V, followed by D.

Connectors, "CI06(P) Series", Model(s) CI06, followed by 02 thru 16, followed by P, followed by one alphanumeric digit, followed by V or H, followed by two alphanumeric digits.

Connectors, "CI06(S) Series", Model(s) CI0602S0 thru CI0616S0

Connectors, "CI11(M) Series", Model(s) CI11, followed by 02 thru 15, followed by M, followed by one alphanumeric digit, followed by V or H.

Connectors, "CI11(S) Series", Model(s) CI11-02-S0000 thru CI11-15-S0000

Connectors, "CP-011(S) Series", Model(s) CP-011, followed by 03 or 05, followed by two alphanumeric digits, followed by S.

Connectors, "CP-012(S) Series", Model(s) CP-012, followed by 03 or 05, followed by two alphanumeric digits, followed by S.

Connectors, "CP04(P) Series", Model(s) CP04, followed by 2, 3 or 4, followed by A, B or C, followed by P, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit, followed by 0.

Connectors, "CP04(S) Series", Model(s) CP0402S0000, CP0403S0000, CP0404S0000

Connectors, "CP05(P) Series", Model(s) CP05, followed by 02, followed by P, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit, followed by 0.

Connectors, "CP05(S) Series", Model(s) CP0502S0000

Connectors, Model(s) 11W1PCH (a), 11W1PCS (a), 11W1PCV (a), 11W1PPH (b), 11W1PPH (c), 11W1PPS (b), 11W1PPS (c), 11W1PPV (b), 11W1PPV (c), 11W1SCH (a), 11W1SCS (a), 11W1SCV (a), 11W1SPH (b), 11W1SPH (c), 11W1SPS (b), 11W1SPS (c), 11W1SPV (b), 11W1SPV (c), 13W3PCH (a), 13W3PCS (a), 13W3PCV (a), 13W3PPH (b), 13W3PPH (c), 13W3PPS (b), 13W3PPS (c), 13W3PPV (b), 13W3PPV (c), 13W3SCH (a), 13W3SCS (a), 13W3SCV (a), 13W3SPH (b), 13W3SPH (c), 13W3SPS (b), 13W3SPS (c), 13W3SPV (b), 13W3SPV (c), 17W2PCH (a), 17W2PCS (a), 17W2PCV (a), 17W2PPH (b), 17W2PPH (c), 17W2PPS (b), 17W2PPS (c), 17W2PPV (b), 17W2PPV (c), 17W2SCH (a), 17W2SCS (a), 17W2SCV (a), 17W2SPH (b), 17W2SPH (c), 17W2SPS (b), 17W2SPS (c), 17W2SPV (b), 17W2SPV (c), 21W4PCH (a), 21W4PCS (a), 21W4PCV (a), 21W4PPH (b), 21W4PPH (c), 21W4PPS (b), 21W4PPS (c), 21W4PPV (b), 21W4PPV (c), 21W4SCH (a), 21W4SCS (a), 21W4SCV (a), 21W4SPH (b), 21W4SPH (c), 21W4SPS (b), 21W4SPS (c), 21W4SPV (b), 21W4SPV (c), 25W3PCH (a), 25W3PCS (a), 25W3PCV (a), 25W3PPH (b), 25W3PPH (c), 25W3PPS (b), 25W3PPS (c), 25W3PPV (b), 25W3PPV (c), 25W3SCH (a), 25W3SCS (a), 25W3SCV (a), 25W3SPH (b), 25W3SPH (c), 25W3SPS (b), 25W3SPS (c), 25W3SPV (b), 25W3SPV (c), 36W4PCH (a), 36W4PCS (a), 36W4PCV (a), 36W4PPH (b), 36W4PPH (c), 36W4PPS (b), 36W4PPS (c), 36W4PPV (b), 36W4PPV (c), 36W4SCH (a), 36W4SCS (a), 36W4SCV (a), 36W4SPH (b), 36W4SPH (c), 36W4SPS (b), 36W4SPS (c), 36W4SPV (b), 36W4SPV (c), 3W3CPCH (a), 3W3CPCS (a), 3W3PCPV (a), 3W3CPPH (b), 3W3CPPH (c), 3W3CPPS (b), 3W3CPPS (c), 3W3CPPV (b), 3W3CPPV (c), 3W3CSCH (a), 3W3CSCS (a), 3W3CSCV (a), 3W3CSPH (b), 3W3CSPH (c), 3W3CSPS (b), 3W3CSPS (c), 3W3CSPV (b), 3W3CSPV (c), C3W3PCH (a), C3W3PCS (a), C3W3PCV (a), C3W3PPH (b), C3W3PPH (c), C3W3PPS (b), C3W3PPS (c), C3W3PPV (b), C3W3PPV (c), C3W3SCH (a), C3W3SCS (a), C3W3SCV (a), C3W3SPH (b), C3W3SPH (c), C3W3SPS (b), C3W3SPS (c), C3W3SPV (b), C3W3SPV (c), C5W5PCH (a), C5W5PCS (a), C5W5PCV (a), C5W5PPH (b), C5W5PPH (c), C5W5PPS (b), C5W5PPS (c), C5W5PPV (b), C5W5PPV (c), C5W5SCH (a), C5W5SCS (a), C5W5SCV (a), C5W5SPH (b), C5W5SPH (c), C5W5SPS (b), C5W5SPS (c), C5W5SPV (b), C5W5SPV (c), C7W2PCH (a), C7W2PCS (a), C7W2PCV (a), C7W2PPH (b), C7W2PPH (c), C7W2PPS (b), C7W2PPS (c), C7W2PPV (b), C7W2PPV (c), C7W2SCH (a), C7W2SCS (a), C7W2SCV (a), C7W2SPH (b), C7W2SPH (c), C7W2SPS (b), C7W2SPS (c), C7W2SPV (b), C7W2SPV (c), C8W8PCH (a), C8W8PCS (a), C8W8PCV (a), C8W8PPH (b), C8W8PPH (c), C8W8PPS (b), C8W8PPS (c), C8W8PPV (b), C8W8PPV (c), C8W8SCH (a), C8W8SCS (a), C8W8SCV (a), C8W8SPH (b), C8W8SPH (c), C8W8SPS (b), C8W8SPS (c), C8W8SPV (b), C8W8SPV (c)

CA02, followed by 10, 20, 30, 40, 50, 60, 70, 80, 90 or 100, followed by S, may be followed by 1, A, B or C, may be followed by 0 thru 9, may be followed by two alphanumeric digits.

CA02100S, CA0210S, CA0220S, CA0230S, CA0240S, CA0250S, CA0260S, CA0270S, CA0280S, CA0290S

CA04, followed by 10, 14, 16, 20, 26, 34, 40, 50, or 60 followed by P, may be followed by 1, A, B or C, may be followed by 0 thru 9, may be followed by two alphanumeric digits.

CA0410P, CA0414P, CA0416P, CA0420P, CA0426P, CA0434P, CA0440P, CA0450P, CA0460P

CA11, followed by 20, 22, 24, 26, 34, 36, 40, 44, 50 or 68, followed by S, may be followed by 1, A, B or C, may be followed by 0 thru 9, may be followed by 00 or A0.

CA1120S, CA1122S, CA1124S, CA1126S, CA1134S, CA1136S, CA1140S, CA1144S, CA1150S, CA1168S

CA21, followed by 06, 08, 10, 12, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 56, 60, 62 or 64, followed by S, may be followed by 1, A, B or C, may be followed by 0 thru 9, may be followed by 00 or A0.

CA2110S, CA2112S, CA2114S, CA2116S, CA2120S, CA2124S, CA2126S, CA2130S, CA2134S, CA2140S, CA2144S, CA2150S, CA2156S, CA2160S, CA2162S, CA2164S, CA216S, CA218S

CA23, followed by 08, 10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60 or 64, followed by P, may be followed by 1, A, B or C, may be followed by 0 thru 9, may be followed by two alphanumeric digits.

CA2310P, CA2314P, CA2316P, CA2320P, CA2324P, CA2326P, CA2330P, CA2334P, CA2340P, CA2350P, CA2360P, CA2364P, CA238P

CA30, CA31, followed by 04 thru 26, followed by P, followed by four alphanumeric digits.

CA33, followed by 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24 or 26, followed by P, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by I, followed by one alphanumeric digit, followed by NH or blank.

CA34, followed by 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24 or 26, followed by P, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH or blank.

CA35, followed by 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24 or 26, followed by H, M or V, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH or blank.

CB27, followed by 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78 or 80, followed by one alphanumeric digit, followed by H100.

CB39, followed by 02 thru 40, followed by one alphanumeric digit, followed by H or V, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH or blank.

CB50, followed by 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98 or X1, followed by one alphanumeric digit, followed by 0, A, B or P, followed by 0 or P, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH or blank.

CB74, followed by 04 thru 80, followed by one alphanumeric digit, followed by H or V.

CB83, followed by 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78 or 80, followed by one alphanumeric digit, followed by R, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by 0, 1, 2 or 3, followed by -LF, -NH or blank.

CB85, followed by 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78 or 80, followed by one alphanumeric digit, followed by V, followed by one alphanumeric digit, followed by two alphanumeric digits, followed by -LF, -NH or blank.

CB91, followed by 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78 or 80, followed by one alphanumeric digit, followed by H or V, followed by one alphanumeric digit, followed by two alphanumeric digits.

CBRE030SA and CBRE030PA, followed by one alphanumeric digit, followed by 0 or F, followed by 00 or P1, followed by two alphanumeric digit, followed by NH.

CD01, CD02, CD03, CD04 or CD05, CD5 followed by 15, 26, 44 or 62, followed by P or S.

CD51, CD52, CD53, CD54 or CD61 followed by 09, 15, 25 or 37, followed by S or P.

CD5809S and CD5809P, followed by one alphanumeric digit, followed by 0 or 1, followed by two alphanumeric digits.

CD81V1PP, CD81V1PS, CD81V1SP, CD81V1SS, CD81V2PP, CD81V2PS, CD81V2SP, CD81V2SS, CD81V3PP, CD81V3PS, CD81V3SP, CD81V3SS, CD9109P, CD9115P, CD9125P, CD92A1, CD92A2, CD92A3, CD92A4, CD9375P

CF07, followed by 04 thru 32, followed by 1, followed by D or U, followed by 0, followed by R or T, followed by 0.

CF08, followed by 04 thru 32, followed by 1H2, followed by R or T, followed by 0.

CF08, followed by 4 thru 32, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by -LF, -NH or blank.

CF09, followed by 04 thru 32, followed by 1, followed by H or V, followed by 200.

CF10 or CF16, followed by 04 thru 32, followed by 1, followed by D, M, U or V, followed by 0T0.

CF20, followed by 4 thru 50, followed by one alphanumeric digit, followed by D, U or V, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by -LF, -NH or blank.

CF21, followed by 06 thru 50, followed by 1, followed by D, U or V, Followed by 0.

CF23, followed by 4 thru 40, followed by one alphanumeric digit, followed by D or U, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by -LF, -NH or blank.

CF25, followed by 04 through 32, followed by one alphanumeric digit, followed by D, followed by 0 or 1, followed by two alphanumeric digits, followed by -10, followed by -NH.

CF25, followed by 08 through 65, followed by one alphanumeric digit, followed by D, followed by 0 or 1, followed by two alphanumeric digits, followed by -05, followed by -NH.

CF27, followed by 04 thru 65, followed by one alphanumeric digit, followed by H, followed by 0 or 1, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH.

CF30, followed by 11 thru 61, followed by one alphanumeric digit, followed by D, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by A or B, followed by -NH.

CH01, followed by 02 through 50, followed by 1 thru 4, followed by H or V, may be followed by 0 thru 9, followed by 00.

CH0102H thru CH0150H, CH0102V thru CH0150V

CH11, followed by 02 through 40, followed by 1 thru 4, followed by V, may be followed by 0 thru 9, followed by 00.

CH1102V thru CH1140V

CH31, followed by 02 through 40, followed by 1 thru 4, followed by H or V, may be followed by 0 thru 9, followed by 00, 01, 02 or 03.

CH3102H thru CH3140H, CH3102V thru CH3140V

CH61, followed by 06 thru 100 inclusive, followed by 1 thru 4, followed by V, may be followed by 0 thru 9, followed by 00.

CH61-06 thru CH61-100

CH66, followed by 10, 20, 30, 40, 50, 60, 70, 80, 90 or 100, followed by 1, A, B or C, followed by H or V, may be followed by 0 thru 9, followed by 00.

CH66100H, CH66100V, CH6610H, CH6610V, CH6620H, CH6620V, CH6630H, CH6630V, CH6640H, CH6640V, CH6650H, CH6650V, CH6660H, CH6660V, CH6670H, CH6670V, CH6680H, CH6680V, CH6690H, CH6690V

CH71, followed by 02 thru 80 inclusive, followed by 1 thru 4, followed by V, may be followed by 0 thru 9, followed by 00.

CH7104V thru CH7180V

CH74, followed by 16, 20, 26, 34, 40, 44, 50 or 68, followed by 1 thru 4, followed by H or V, may be followed by 0 thru 9, followed by 00.

CH74, followed by 16, 20, 26, 34, 40, 44, followed by 50 or 68, followed by H or V.

CH81, followed by 02 thru 80 inclusive, followed by 1 thru 4, followed by H or V, may be followed by 0 thru 9, followed by 00 or 01.

CH8102H thru CH8180H, CH8102V thru CH8180V

CH85, followed by 04, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78 or 80, followed by one alphanumeric digit, followed by V, followed by 2 or A, followed by 0W

CH87, followed by 10, 14, 16, 20, 26, 30, 34, 40, 50, 60 or 64, followed by 1 thru 4, followed by H or V, may be followed by 0 thru 9, followed by 00.

CH8710H, CH8710V, CH8714H, CH8714V, CH8716H, CH8716V, CH8720H, CH8720V, CH8726H, CH8726V, CH8730H, CH8730V, CH8734H, CH8734V, CH8740H, CH8740V, CH8750H, CH8750V, CH8760H, CH8760V, CH8764H, CH8764V

CH88, followed by 10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60 or 64, followed by 1 thru 4, followed by A or B, may be followed by 0 thru 9, followed by 00.

CH88A, CH88B

CI01, followed by 02 thru 15, followed by M, followed by one alphanumeric digit, followed by V, followed by one alphanumeric digit, followed by 0 or N, followed by LF, NH or blank.

CI01, followed by 02 thru 16, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by 0, followed by LF, NH or blank.

CI01, followed by 02 thru 16, followed by P, followed by one alphanumeric digit, followed by H or V, followed by K or O, followed by 0, followed by LF or NH.

CI01, followed by 06 thru 34, followed by P, followed by one alphanumeric digit, followed by H or V, followed by D, followed by one alphanumeric digit except for L, followed by LF or NH.

CI01, followed by 06 thru 34, followed by P, followed by one alphanumeric digit, followed by H or V, followed by DL, followed by LF or NH.

CI01, followed by 06, 08 or 10, followed by SD0A, followed by one alphanumeric digit.

CI01, followed by 06, 08, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 or 34, followed by SD0L, followed by one alphanumeric digit.

CI01, followed by 10, 12, 14 or 16, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by L, followed by LF or NH.

CI01, followed by 10, 12, 14 or 16, followed by S00L, followed by one alphanumeric digit.

CI01, followed by 14M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by OLC.

CI0102P thru CI0115P, CI0102S thru CI0115S, CI0106SD thru CI0132SD, CI0202S thru CI0216S

CI0702M, followed by one alphanumeric digit, followed by H, followed by R or T, followed by one alphanumeric digit, followed by -NH

CI0702S0, followed by three alphanumeric digits

CI0702SL, followed by three alphanumeric digits, followed by -NH

CI11, followed by 02 thru 18, 20 or 26, followed by M, followed by one alphanumeric digit, followed by H, followed by two alphanumeric digits, followed by LF or NH.

CI11, followed by 02 thru 18, 20 or 26, followed by M, followed by one alphanumeric digit, followed by V, followed by two alphanumeric digits, followed by LF or NH.

CI11, followed by 12, 16, 20, 30, 40 or 50, followed by M, followed by one alphanumeric digit, followed by HD, followed by one alphanumeric digit, followed by two alphanumeric digits, followed by -NH or blank.

CI11, followed by 16, 20, 30, 40 or 50, followed by M, followed by one alphanumeric digit, followed by VD, followed by 0- or 1-, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by -NH or blank.

CI11, followed by 16, 20, 30, 40 or 50, followed by SD, followed by three alphanumeric digits, followed by -NH or blank.

CI11, followed by 2 thru 15, followed by S, followed by 0 or N, followed by three alphanumeric digits, followed by NH.

CI1330M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by ONH or blank.

CI1330M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by ANH or blank.

CI14, followed by 02 thru 12, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by C or E, followed by NH.

CI14, followed by 02 thru 20, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH.

CI14, followed by 02 thru 20, followed by S, followed by 00 or L0, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH.

CI14, followed by 03 thru 12, followed by M, followed by one alphanumeric digit, followed by V, followed by L, followed by one alphanumeric digit, followed by NH.

CI15, followed by 02 thru 15, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by one alphanumeric digit except for L, followed by LF, NH or blank.

CI15, followed by 02 thru 15, followed by M, followed by one alphanumeric digit, followed by V, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by LF, NH or blank.

CI15, followed by 02 thru 15, followed by P, followed by one alphanumeric digit, followed by H or V, followed by two alphanumeric digits, followed by LF, NH or blank.

CI15, followed by 02 thru 15, followed by S, followed by 0, followed by two alphanumeric digits, followed by one alphanumeric digit.

CI15, followed by 03 thru 07, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by L, followed by NH.

CI15, followed by 03 thru 07, followed by S, followed by L0, followed by one alphanumeric digits, followed by one alphanumeric digit.

CI18, followed by 02 thru 22, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH.

CI18, followed by 02 thru 22, followed by S, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH.

CI19, followed by 02 thru 12, followed by M, followed by one alphanumeric digit, followed by H or V, followed by two alphanumeric digits, followed by -NH.

CI19, followed by 02 thru 12, followed by S, followed by L0, followed by 0 or 1 thru 9, followed by one alphanumeric digit, followed by -NH.

CI2102P thru CI2115P, CI2102S thru CI2115S, CI2202P thru CI2220P, CI2202S thru CI2220S, CI2302P thru CI2320P, CI2302S thru CI2320S, CI2502P thru CI2515P, CI2502S thru CI2515S, CI2602P thru CI2616P, CI2602S thru CI2616S

CI3002P*H** (#), CI3003P*H** (#), CI3004P*H** (#), CI3005P*H** (#), CI3006P*H** (#), CI3007P*H** (#), CI3008P*H** (#), CI3009P*H** (#), CI3010P*H** (#), CI3011P*H** (#), CI3012P*H** (#), CI3013P*H** (#), CI3014P*H** (#), CI3015P*H** (#)

CI3102P thru CI3120P, CI3102S thru CI3120S, CI3202S thru CI3240S, CI3304P, CI3304S, CI3404S thru CI3480S, CI3504P, CI3504S

CI42, followed by 02 thru 10, followed by M, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH.

CI44, followed by 02 through 15, followed by P or M, followed by 1, followed by V or H, followed by 00.

CI44, followed by 02 thru 15, followed by M, followed by one alphanumeric digit, followed by H, followed by two alphanumeric digits, followed by LF or NH.

CI44, followed by 02 thru 15, followed by M, followed by one alphanumeric digit, followed by V, followed by two alphanumeric digits, followed by LF or NH.

CI44, followed by 02 thru 15, followed by P, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digits, followed by 0, followed by LF or NH.

CI44, followed by 02 thru 15, followed by P, followed by one alphanumeric digit, followed by V, followed by one alphanumeric digit, followed by 0, followed by LF or NH.

CI44, followed by 02 thru 15, followed by S, followed by three alphanumeric digits, followed by 0 or 0-L, followed by NH.

CI44-02-S0000 thru CI44-15-S0000, CI5102P thru CI5120P, CI5102S thru CI5120S, CI5202P thru CI5212P, CI5202S thru CI5212S, CI5306P thru CI5312P, CI5306S thru CI5312S, CI5402P thru CI5410P, CI5402S thru CI5410S, CI5502P thru CI5510P, CI5502S thru CI5510S, CI5602P thru CI5610P, CI5602S thru CI5610S, CI6101P thru CI6106P, CI6101S thru CI6106S, CI6201P thru CI6206P, CI6201S thru CI6206S, CI6401P thru CI6406P, CI6501P thru CI6506P, CI7202P thru CI7212P, CI7302P thru CI7310P, CI7402P thru CI7412P, CI7502P thru CI7512P, CI7502S thru CI7512S, CI7602P thru CI7612P, CI7602S thru CI7612S, CI7702P thru CI7720P, CI7702S thru CI7720S, CI7802P thru CI7820P, CI7802S thru CI7820S, CI7902P thru CI7920P, CI7902S thru CI7920S

CI82, followed by 02 thru 24, followed by P, followed by one digit, followed by H or V, followed by 00 or 0L.

CI83, followed by 02 thru 36, followed by P, followed by one digit, followed by H or V, followed by 00 or 0L.

CI94, followed by P, followed by FC or FM, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by NH or blank.

CI94, followed by PF0010P, followed by NH or blank.

CI94, followed by PFI, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by A or B, followed by L, P or 0, followed by -NH or blank.

CI94PF00100

CP-01, followed by 3, followed by 03 thru 05, followed by one alphanumeric digit, followed by M or N, followed by S, followed by -P1, -P2, -P3, -P4, -P5 or blank.

CP-01, followed by 4, followed by 03 thru 05, followed by one alphanumeric digit, followed by 0 thru 5, followed by S, followed by -P1, -P2, -P3, -P4, -P5 or blank.

CP-011, followed by 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22 or 24, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by E.

CP-01102, CP-01104, CP-01106, CP-01108, CP-01110, CP-01112, CP-01114, CP-01116, CP-01118, CP-01120, CP-01122, CP-01124

CP-012 or CP-013, followed by 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22 or 24.

CP-01202, CP-01204, CP-01206, CP-01208, CP-01210, CP-01212, CP-01214, CP-01216, CP-01218, CP-01220, CP-01222, CP-01224

CP-013, followed by 03 thru 05, followed by one alphanumeric digit, followed by 1 or 3 thru 9, followed by S.

CP-01302, CP-01304, CP-01306, CP-01308, CP-01310, CP-01312, CP-01314, CP-01316, CP-01318, CP-01320, CP-01322, CP-01402, CP-01404, CP-01406, CP-01408, CP-01410, CP-01412, CP-01414, CP-01416, CP-01418, CP-01420, CP-01422, CP-01424, CP0201P, CP0201S, CP0202P, CP0202S, CP0203P, CP0203S, CP0204P, CP0204S, CP0205P, CP0205S, CP0206P, CP0206S, CP0209P, CP0209S, CP0212P, CP0212S, CP0215P, CP0215S, CP0302P, CP0302S, CP0303P, CP0303S, CP0304P, CP0304S, CP0306P, CP0306S, CP0309P, CP0309S

CP04, followed by 02, 03, 04 or 05, followed by SL, followed by 0 or N, followed by one alphanumeric digit, followed by 0, followed by 1 or blank.

CP04, followed by 2, followed by A, B, C or D, followed by P, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit except for L, followed by 0, 1 or 2, followed by LF, NH or blank.

CP04, followed by 2, followed by A, B, C or D, followed by P, followed by one alphanumeric digit, followed by HL, followed by 0, 1 or 2, followed by LF, NH or blank.

CP04, followed by 2, followed by A, B, C or D, followed by P, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit except for B, C or L, followed by 0, followed by LF, NH or RF.

CP04, followed by 2, followed by A, B, C or D, followed by P, followed by one alphanumeric digit, followed by MLO, followed by LF or NH.

CP04, followed by 2, followed by B, C, D or E, followed by P, followed by one alphanumeric digit, followed by MBO, followed by LF or NH1 or 2, followed by LF, NH.

CP04, followed by 2, followed by C, D or E, followed by P, followed by one alphanumeric digit, followed by MCO, followed by LF or NH.

CP04, followed by 2EP, followed by one alphanumeric digit, followed by HFANH.

CP04, followed by 2EP, followed by one alphanumeric digit, followed by MDO, followed by LF or NH.

CP04, followed by 2EP, followed by one alphanumeric digit, followed by MF, followed by 0 or A, followed by LF.

CP04, followed by 2ESF, followed by 0 or A, followed by one alphanumeric digit, followed by 0.

CP04, followed by 3, followed by A or B, followed by P, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit except for L, followed by 0, 1 or 2, followed by LF, NH or blank.

CP04, followed by 3, followed by A or B, followed by P, followed by one alphanumeric digit, followed by HL, followed by 0, 1 or 2, followed by LF, NH or blank.

CP04, followed by 3, followed by A or B, followed by P, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit except for B, C or L, followed by 0, followed by LF, NH or RF.

CP04, followed by 3, followed by A or B, followed by P, followed by one alphanumeric digit, followed by MLO, followed by LF or NH.

CP04, followed by 4 or 5, followed by AP, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit except for L, followed by 0, 1 or 2, followed by LF, NH or blank.

CP04, followed by 4 or 5, followed by AP, followed by one alphanumeric digit, followed by HL, followed by 0, 1 or 2, followed by LF, NH or blank.

CP04, followed by 4 or 5, followed by AP, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit except for B, C or L, followed by 0, followed by LF, NH or RF.

CP04, followed by 4 or 5, followed by AP, followed by one alphanumeric digit, followed by MLO, followed by LF, NH.

CP05, followed by 02P, followed by one alphanumeric digit, followed by H, followed by one alphanumeric digit except for L, followed by 0, 1, 2 or 4, followed by LF, NH or blank.

CP05, followed by 02P, followed by one alphanumeric digit, followed by HL, followed by 0, 1, 2, 4 or 5, followed by LF, NH or blank.

CP05, followed by 02P, followed by one alphanumeric digit, followed by M, followed by one alphanumeric digit except for L, followed by 0, followed by LF or NH.

CP05, followed by 02P, followed by one alphanumeric digit, followed by MLO, followed by LF or NH.

CP05, followed by 02SLO, followed by one alphanumeric digit, followed by 0.

CP0602P thru CP0612P, CP0602S thru CP0612S, CP1102P, CP1102S, CP1103P, CP1103S, CP1104P, CP1104S, CP1106P, CP1106S, CP1109P, CP1109S, CP1112P, CP1112S

CP15, followed by 03 or 04, followed by M, followed by 1 or 2, followed by P or S, followed by R or T, followed by 0 thru 9, followed by NH, followed by X01 thru X99 or blank.

CP31001S, CP31002S, CP31003S, CP31004S, CP31006S, CP31009S, CP31012P, CP31012S, CP31015P, CP31015S, CP3101P, CP3102P, CP3103P, CP3104P, CP3106P, CP3109P, CP3204P, CP3204S, CP3304P, CP3304S

CP35, followed by 02 thru 12, followed by P, followed by 0 or R, followed by two alphanumeric digits, followed by SNH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by H, followed by S, followed by M, followed by S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by H00-S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by HS0-S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by HSP-S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by HST-S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by V00-S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by VS0-S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by P, followed by one alphanumeric digit, followed by VST-S, followed by LF or NH.

CP35, followed by 02 thru 12, followed by S, followed by ML, followed by 1, followed by S, followed by NH or blank.

CP35, followed by 02 thru 12, followed by S, followed by three alphanumeric digits, followed by SNH.

CP35, followed by 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22 or 24, followed by P, followed by one alphanumeric digit, followed by H, followed by 00, 0B, 0D, S0, SP, SR or ST, followed by LF, NH or blank.

CP35, followed by 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22 or 24, followed by P, followed by one alphanumeric digit, followed by H, followed by S, followed by M, followed by LF or NH.

CP35, followed by 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22 or 24, followed by P, followed by one alphanumeric digit, followed by V, followed by 00, 0B, 0E, S0, SA, SF or ST.

CP35, followed by 02, 04, 06, 08, 10, 12, 14, 16, 18, 20, 22 or 24, followed by S, followed by ML, followed by 1, followed by 0, followed by NH or blank.

CP3502P thru CP3524P, CP3502S thru CP3524S

CS304013 or CS304525, followed by one alphanumeric digit, followed by one alphanumeric digit, followed by 0 or 1, followed by -NH or blank.

CU01P, CU01S, CU02P, CU02S, CU03S, CU04S

CU05, followed by S, followed by A, B or C, followed by H, V or M, followed by 0 or 1, followed by F, U, M, D or S

(#) - "*" may be 1-9, or A-Z and "***" may be alphanumeric

(a) - Followed by 2, 3, 4 or 5, followed by 2, 3, 4, A, B or C, followed by 1 or 6, followed by 50 or 75.

(b) - Followed by 2, 3, 4 or 5, followed by 2, 3, 4, A, B or C, followed by 1 or 6, followed by 20, followed by three alphanumeric digits.

(c) - Followed by 2, 3, 4 or 5, followed by 2, 3, 4, A, B or C, followed by 1 or 6, followed by 40.

(d) - followed by 04 through 26, followed by M, followed by 1 or 2, followed by 0, 1 or 3, followed by two alphanumeric digits, followed by -NH or blank

(e) - followed by 04 through 26, followed by M, followed by 1 or 2, followed by 0, 1 or 3, followed by 0 or F, followed by 0 or L, followed by -W or -E

Note - All models may be followed by up to 6 alphanumerics.

Marking: Company name or tradename "CVILUX" , "CviLux" and model designation on the device or carton.

Last Updated on 2015-04-08

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