

JEDEC SOLID STATE
PRODUCT OUTLINE
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THIS *REGISTERED OUTLINE* HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE
AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS INDUSTRY;
CHANGES ARE LIKELY TO OCCUR.

TITLE
BATTERY CELL
R/A SMT TYPE CONNECTOR
1.2MM PITCH

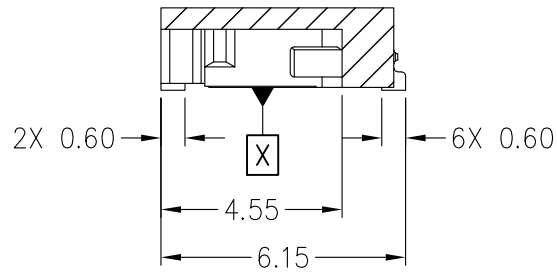
PACKAGE DESIGNATOR
PSXC-L6_11p2-
R11p6x5p85Z2p07-
R0p3x0p6ET0p07

NUMBER
SO-028

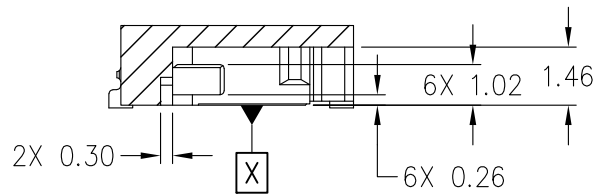
ISSUE
A

DATE
OCT 2021

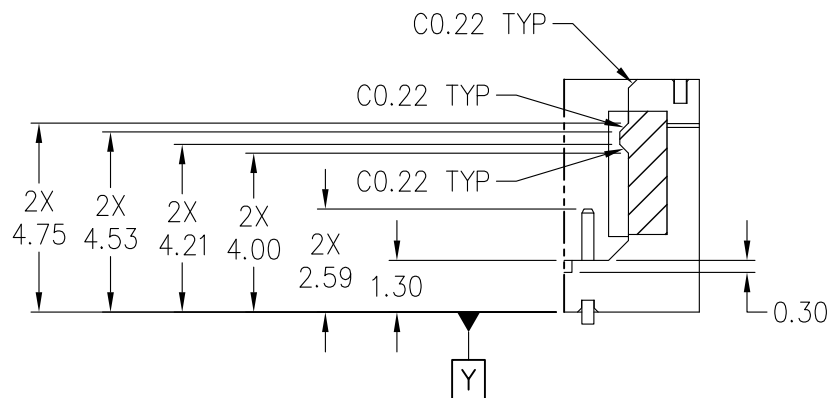
SHEET
1 OF 4



SECTION A-A



SECTION B-B



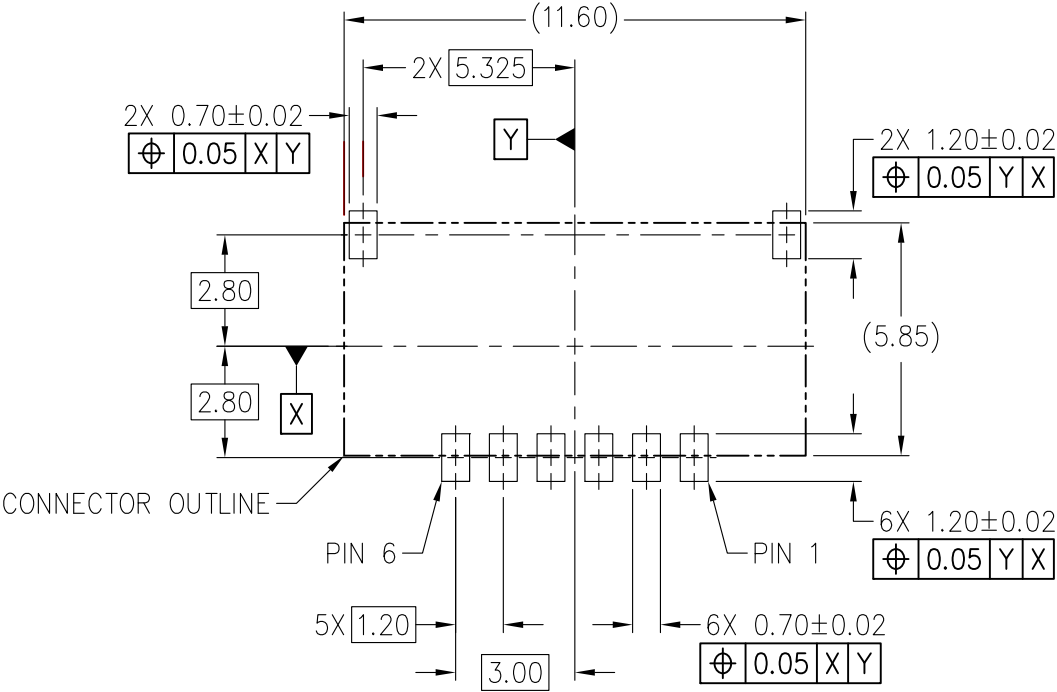
DETAIL A

NOTES:

1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5–2009.
2. ALL DIMENSIONS ARE IN MM.
TOLERANCES ON ALL DIMENSIONS ± 0.15 UNLESS OTHERWISE SPECIFIED.
3. ELECTRICAL CHARACTERISTICS:
CONTACT CURRENT RATING:
8.0A MAX PER CONTACT FOR 24AWG (2 POWER PINS).
PINS 2 THROUGH 5 RATED TO 0.5A EACH MAX.
INSULATION RESISTANCE: 100M Ω MIN AT 250 VDC.
DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC MIN.
LOW LEVEL CONTACT RESISTANCE: 30M Ω MAX INITIAL, $\Delta < 20\text{M}\Omega$.
4. MECHANICAL CHARACTERISTICS:
INSERTION FORCE: 3.0Kgf MAX
EXTRACTION FORCE: 1.3Kgf MIN INITIAL, 1.1Kgf MIN.AFTER DURABILITY.
DURABILITY: 30 MATING CYCLES.
5. OPERATING TEMPERATURE: $-40^{\circ}\text{C} \sim +95^{\circ}\text{C}$.
6. THE PRODUCTS SHOULD MEET THE ROHS REQUIREMENT.
7. RECOMMENDED PROCESS CONDITION: PEAK TEMPERATURE 260°C , 10~20S.
8. RECOMMENDED COPPER FOIL AREA: 300MM² MIN, THICKNESS: 2 OZ.

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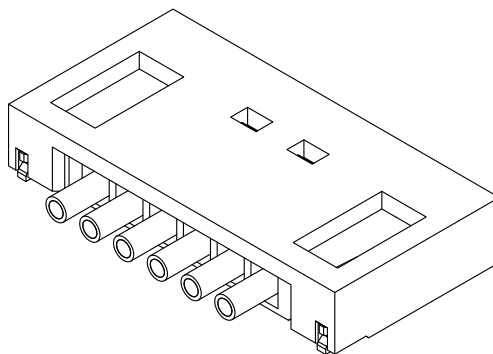
10. REFERENCE PCB FOOTPRINT.



RECOMMENDED PCB LAYOUT

STP (3D) FILE RECORD
3D FILE NAMES MAY EXCEED LENGTH REQUIREMENTS FOR SOME SOFTWARE TOOLS.

STP FILE NAME	DATE	ITEM NUMBER
SO-028A_PSXC-L6_I1p2-R11p6x5p85Z2p07-R0p3x0p6ET0p07	OCT 2021	14-200



TASK GROUP CONTRIBUTORS

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LOTES CO., LTD.
LUXSHARE-ICT, INC.

CHANGE RECORD

IF THE CHANGE INVOLVES ANY WORDS ADDED OR DELETED (EXCLUDING DELETION OF ACCIDENTALLY REPEATED WORDS), THE CHANGE IS TO BE INCLUDED BELOW. PUNCTUATION CHANGES MAY OR MAY NOT BE INCLUDED.

INITIAL ISSUE: A	DATE: OCTOBER 2021	ITEM NUMBER: 14-200
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CHANGE RECORD HISTORY:

ISSUE: -	DATE: -	ITEM NUMBER: -
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LOCATION:	CHANGED FROM:	CHANGED TO: