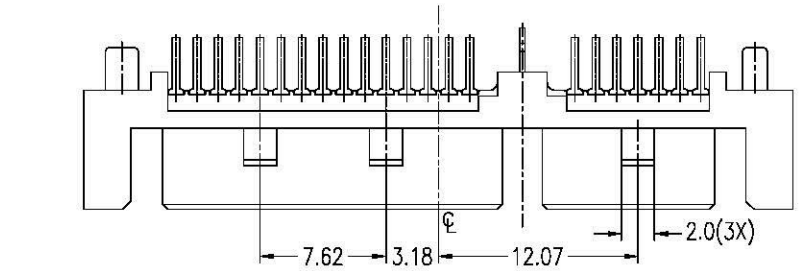
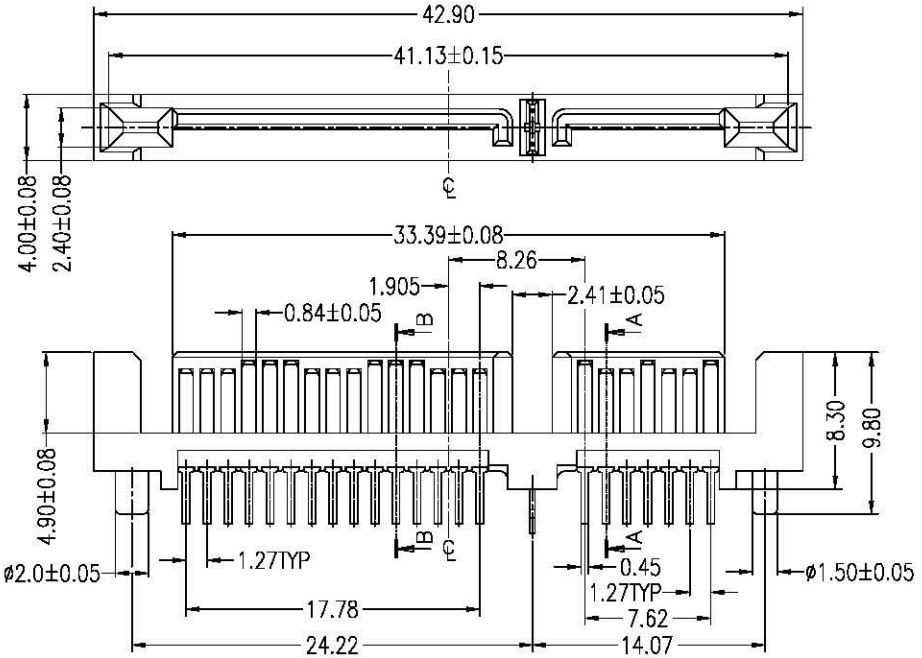
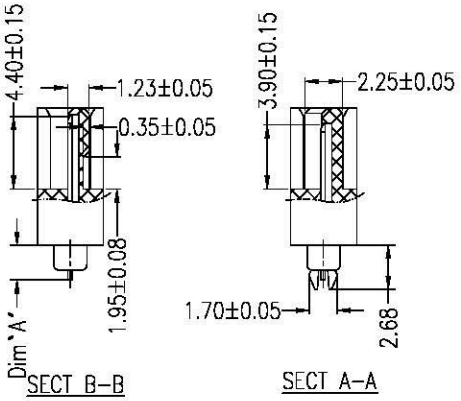


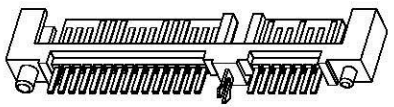
Signal Segment	
Name	Type
S1	GND
S2	A+
S3	A−
S4	GND
S5	B−
S6	B+
S7	GND

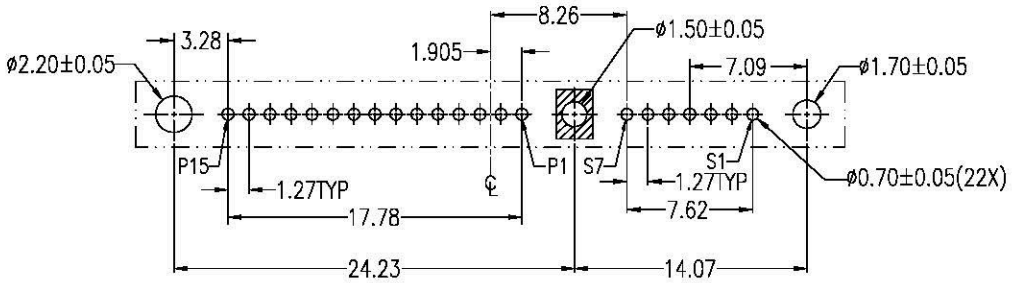
Power Segment			
Name	Type	Name	Type
P1	V33	P9	V5
P2	V33	P10	GND
P3	V33	P11	DAS/DSS
P4	GND	P12	GND
P5	GND	P13	V12
P6	GND	P14	V12
P7	V5	P15	V12
P8	V5		



Part Number	Dim 'A'
CSAT−M22VD30−HE	2.10mm
CSAT−M22VD30−HF	3.00mm







P.C.B LAYOUT(T=1.60mm)
COMPONENT SIDE

NOTES:

1. Material:
   Housing: LCP+50%G.F, UL 94V-0 Rated.
   Color: Black.
   Contact: Phosphor Bronze.
   Plating: Gold Plating over Nickel on Contact Area.
   Tin(100u" Min.) Plating on Solder Tail.
   Nickel (40u" Min.) Underplating overall.

2. Mechanical:
   Insertion Force: 45N Max.
   Withdrawal Force: 10N Min.
   Durability: 500 Cycles

3. Electrical Specification:
   Operation Voltage: 100VAC Max.
   Current Rating: 1.5 Ampere per Contact.
   Contact Resistance: 30mΩ Max.
   Insulation Resistance: 1000MΩ Min.
   Dielectric Withstanding Voltage: 500 VAC.

4. Environmental:
   Operating Temperature: -55°C to +85°C

Part Number:

CSAT-M22VD30-HE

- Serial ATA Series
- M: Male Type
- 22: 7+15Pins
- V: Vertical Type
- E: DIP 2.10mm
- F: DIP 3.00mm
- 0: Black Color
- 3: 15u" Plating
- D: DIP Type

REV	DATE	DESCRIPTION
A	08/03/10	RELEASED FOR PRODUCTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM
TOLERANCES ARE:
DECIMALS .X ± .38 .XX ± .25 .XXX ± .20
ANGLES ± 3°
DO NOT SCALE DRAWING

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE

APPROVALS		DATE
DRAWN	Chris	08/03/10
CHECKED	Cindy	08/03/10
APPV	Jason	08/03/10

SHEET 1 OF 1
SCALE NONE

All Connectors
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info@allconnectors.de
Fax: 0049 711 7000504
Kellerwasen 25

DESCRIPTION: Serial ATA 7+15P, Male, Vertical Type Single Row, DIP 2.10mm
DWG. NO. CSAT-M22-0HE
REV. A