

HYPERTAC

interconnect

AST Connectors



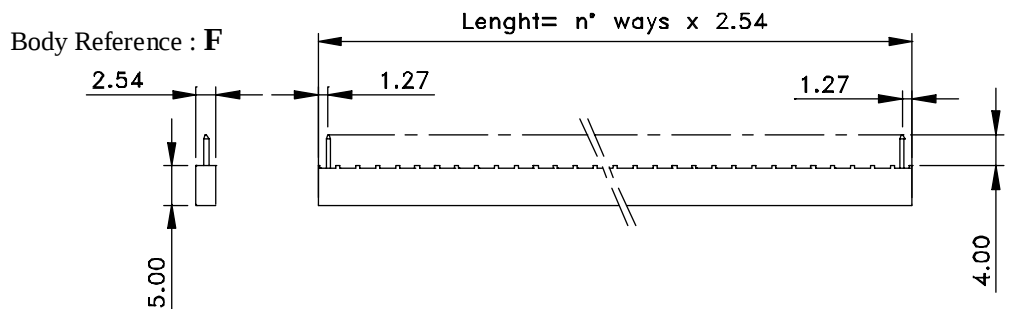
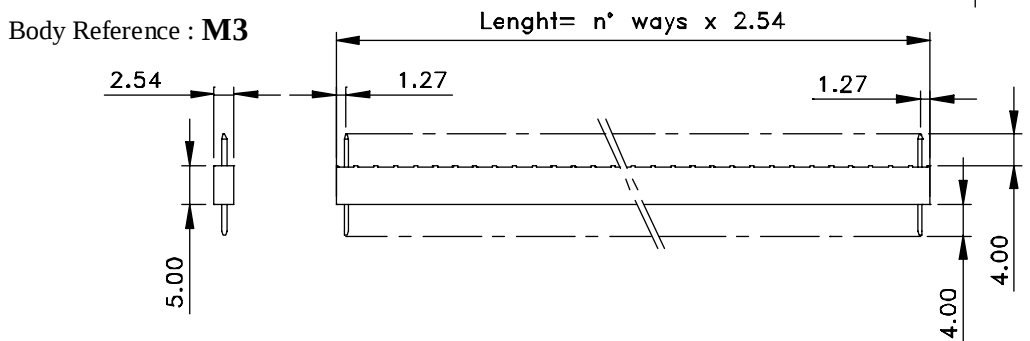
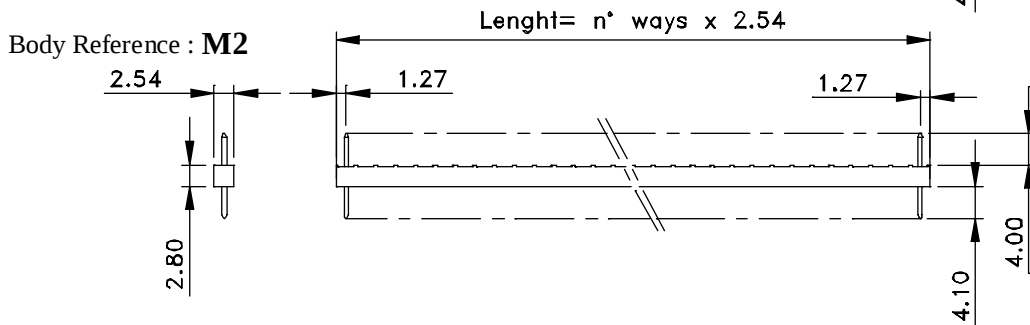
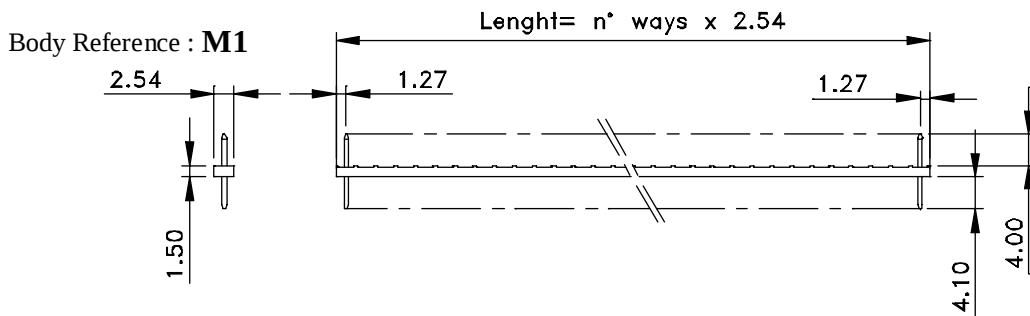
GENERAL SPECIFICATION ¹

Family identification	AST
Contact diameter	0,6 mm nominal
Pitch	2,54 mm
Number of rows	1
Number of Contacts	1 ÷ 30 (continuous strip)
Male Insulator (Thickness) ref.	M1 (1,5 mm) M2 (2,8 mm) M3 (5 mm)
Contacts Characteristics	- Pins : Tourned Brass, Not Removable -Socket : Tourned Brass with CuBe Spring element, Not Removable
Terminations Style Ref. M1,M2,M3	-PCB Straight (4 mm)
Terminations Style Ref. F	-PCB Straight (4 mm)
Guiding and Coding devices M2 & F only	Pin Guiding device for double body available under request Ref. 15752 & 15753
Insulating material	-Polyamide 6,6 V0 per UL 94
Contacts plating	-According to MIL-C-55302 requirements ref H of Commercial level ref T -Pretinning available ref HS or TS
Reference specification	MIL-C-55302 - General Requirements
Dielectric withstanding voltage (test voltage)	1400 V rms - Sea Level - 300 V rms at 33 torr
Current carrying capacity	Signal : 3A ($\Delta T = 30^{\circ}C$) Individual
Insulation resistance	$>5 \times 10^3 M\Omega$ @ 500 V dc
Separation force	80 g / cont.
Contact life	>10.000 cycles
Vibration / Shock	no microinterruptions greather than 2ns
Operating range	-55 °C + 125 °C

Notes

1) Dimensions in mm

	AST	**	254	**	**
Serie					
Ways (n)					
01 - 30					
Pitch					
Male body ref.					
M1-M2-M3-F					
Plating					
T - TS-H-HS					



All Dimensions are in mm

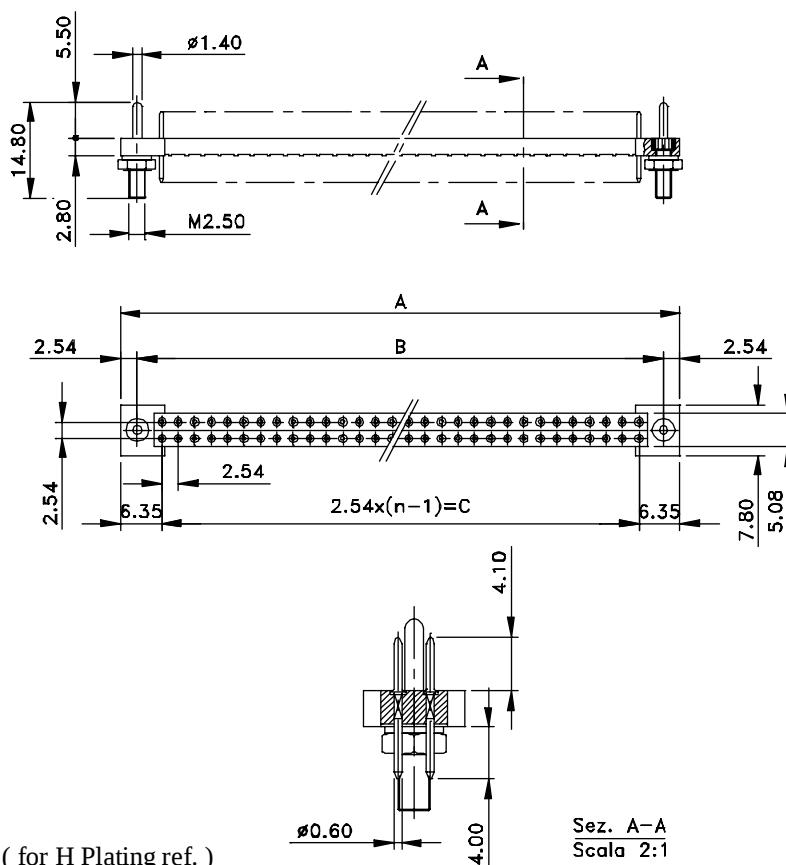
PLUG - RECEPTACLE CONNECTORS :

HYPERTAC
interconnect

AST
M2

01 ÷ 30 - Sandwich Appl.
CONTACT POSITIONS

(Continued)



Ordering Details (for H Plating ref.)

Ref.	A	B	C	Description
15752/02	15,24	10,16	2,54	AST04254M2H15752/02
15752/03	17,78	12,70	5,08	AST06254M2H15752/03
15752/04	20,32	15,24	7,62	AST08254M2H15752/04
15752/05	22,86	17,78	10,16	AST10254M2H15752/05
15752/06	25,40	20,32	12,70	AST12254M2H15752/06
15752/07	27,94	22,86	15,24	AST14254M2H15752/07
15752/08	30,48	25,40	17,78	AST16254M2H15752/08
15752/09	33,02	27,94	20,32	AST18254M2H15752/09
15752/10	35,56	30,48	22,86	AST20254M2H15752/10
15752/11	38,10	33,02	25,40	AST22254M2H15752/11
15752/12	40,64	35,56	27,94	AST24254M2H15752/12
15752/13	43,18	38,10	30,48	AST26254M2H15752/13
15752/14	45,72	40,64	33,02	AST28254M2H15752/14
15752/15	48,26	43,18	35,56	AST30254M2H15752/15
15752/16	50,80	45,72	38,10	AST32254M2H15752/16
15752/17	53,34	48,26	40,64	AST34254M2H15752/17
15752/18	55,88	50,80	43,18	AST36254M2H15752/18
15752/19	58,42	53,34	45,72	AST38254M2H15752/19
15752/20	60,96	55,88	48,26	AST40254M2H15752/20
15752/21	63,50	58,42	50,80	AST42254M2H15752/21
15752/22	66,04	60,96	53,34	AST44254M2H15752/22
15752/23	68,58	63,50	55,88	AST46254M2H15752/23
15752/24	71,12	66,04	58,42	AST48254M2H15752/24
15752/25	73,66	68,58	60,96	AST50254M2H15752/25
15752/26	76,20	71,12	63,50	AST52254M2H15752/26
15752/27	78,74	73,66	66,04	AST54254M2H15752/27
15752/28	81,28	76,20	68,58	AST56254M2H15752/28
15752/29	83,82	78,74	71,12	AST58254M2H15752/29
15752/30	86,36	81,28	73,66	AST60254M2H15752/30

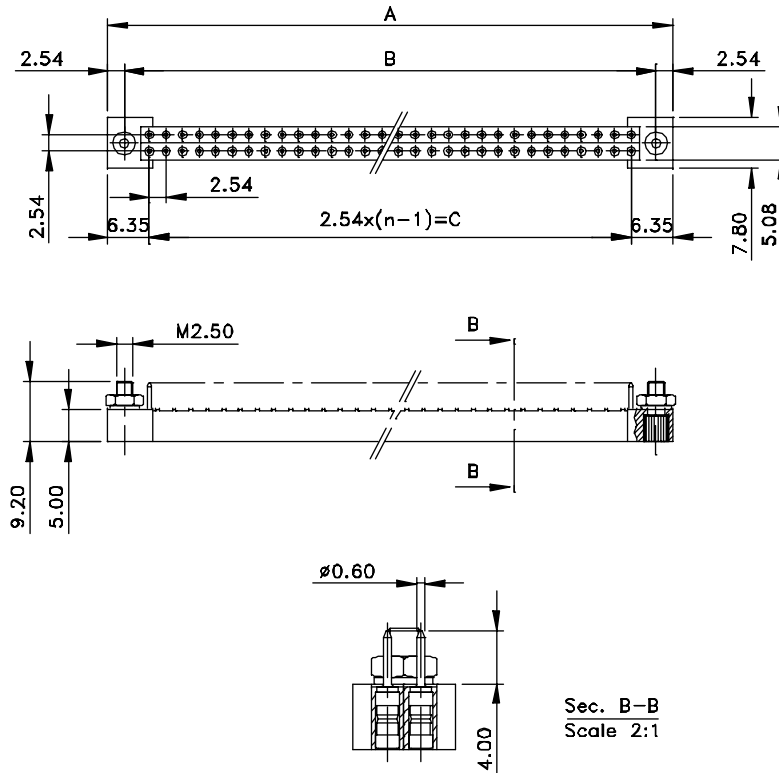
Note : All dimensions are in mm

PLUG - RECEPTACLE CONNECTORS :

HYPERTAC
interconnect

AST
F

01 ÷ 30 - Sandwich Appl.
CONTACT POSITIONS



Ordering Details (for H Plating ref.)

Ref.	A	B	C	Description
15753/02	15,24	10,16	2,54	AST04254FH15753/02
15753/03	17,78	12,70	5,08	AST06254FH15753/03
15753/04	20,32	15,24	7,62	AST08254FH15753/04
15753/05	22,86	17,78	10,16	AST10254FH15753/05
15753/06	25,40	20,32	12,70	AST12254FH15753/06
15753/07	27,94	22,86	15,24	AST14254FH15753/07
15753/08	30,48	25,40	17,78	AST16254FH15753/08
15753/09	33,02	27,94	20,32	AST18254FH15753/09
15753/10	35,56	30,48	22,86	AST20254FH15753/10
15753/11	38,10	33,02	25,40	AST22254FH15753/11
15753/12	40,64	35,56	27,94	AST24254FH15753/12
15753/13	43,18	38,10	30,48	AST26254FH15753/13
15753/14	45,72	40,64	33,02	AST28254FH15753/14
15753/15	48,26	43,18	35,56	AST30254FH15753/15
15753/16	50,80	45,72	38,10	AST32254FH15753/16
15753/17	53,34	48,26	40,64	AST34254FH15753/17
15753/18	55,88	50,80	43,18	AST36254FH15753/18
15753/19	58,42	53,34	45,72	AST38254FH15753/19
15753/20	60,96	55,88	48,26	AST40254FH15753/20
15753/21	63,50	58,42	50,80	AST42254FH15753/21
15753/22	66,04	60,96	53,34	AST44254FH15753/22
15753/23	68,58	63,50	55,88	AST46254FH15753/23
15753/24	71,12	66,04	58,42	AST48254FH15753/24
15753/25	73,66	68,58	60,96	AST50254FH15753/25
15753/26	76,20	71,12	63,50	AST52254FH15753/26
15753/27	78,74	73,66	66,04	AST54254FH15753/27
15753/28	81,28	76,20	68,58	AST56254FH15753/28
15753/29	83,82	78,74	71,12	AST58254FH15753/29
15753/30	86,36	81,28	73,66	AST60254FH15753/30

Note : All dimensions are in mm