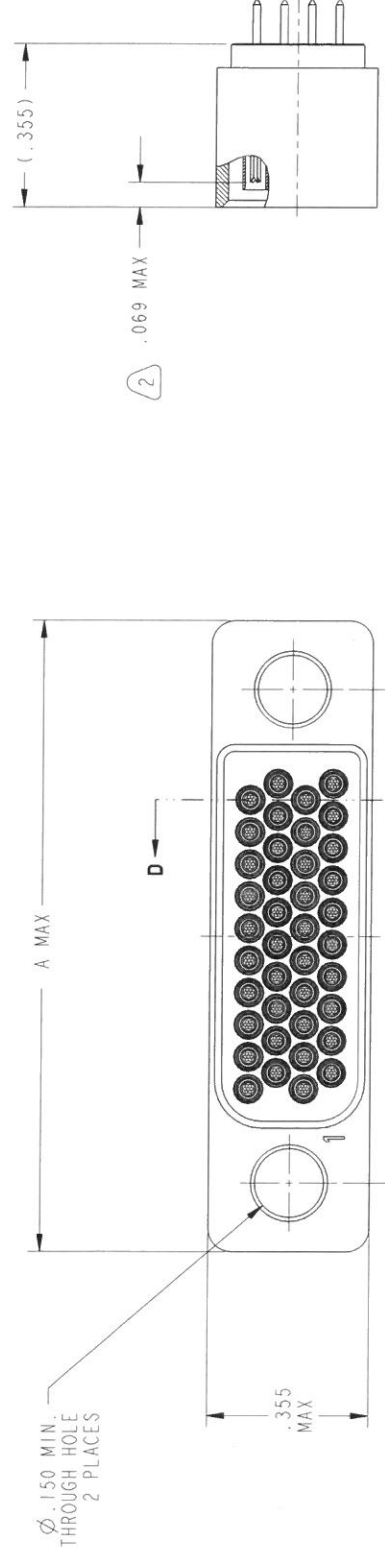
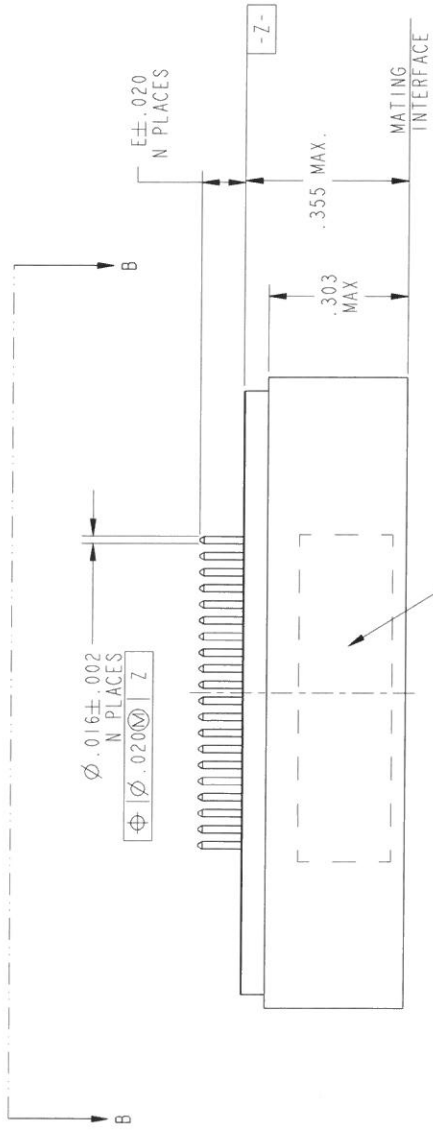


REVISIONS	
LT/R	DESCRIPTION
A	PRODUCTION RELEASE
B	CL(11) SEE CHANGE NOTICE EGN-B2779

DATE
9/2/11
1/12/12



SECTION D-D

MADE FROM MHDB-D4SXXXXXX

POS	QTY	PART NUMBER	DESCRIPTION	NOTE
			AMPHENOL CORPORATION	
			CONNECTOR, STACKER, BRUSH CONTACT	
			HDB3 SERIES	
			HDB-D4SXXXXXX	

UNLESS OTHERWISE SPECIFIED	
SPECIFICATIONS	MATERIAL SPEC.
	N/A
APPROVALS	DATE
DESIGNED BY: R. CHAPMAN	
CHECKED BY: R. SELFRIEGE	2-Sep-11
DESIGNED BY: R. SELFRIEGE	
PROCESS SPEC.	THIRD ANGLE PROJECTION
SEE NOTE 1	

NOTES:

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PROF. ENGINEER INFORMATION
 Proj. No. Mod. Used:
 Date: 08/20/11
 Job: 0000000000

HDB-D4SXXX X XX X X

EXAMPLE: HDB-D4S040C232X

REQUIRED FIELD

CONTACT TERMINATION FINISH	
2	GOLD PLATED IN ACCORDANCE WITH MIL-G-45204, TYPE II, .000030 MIN THICK GOLD OVER .000050 MIN THICK NICKEL
5	TIN PLATED IN ACCORDANCE WITH ASTM B545, .00010 MIN THICK MATTE TIN OVER .00010 MIN THICK NICKEL. (6)
6	TIN-LEAD PLATED IN ACCORDANCE WITH SAE-AMS-P-81728, .00010 MIN THICK TIN-LEAD OVER .00010 MIN THICK COPPER

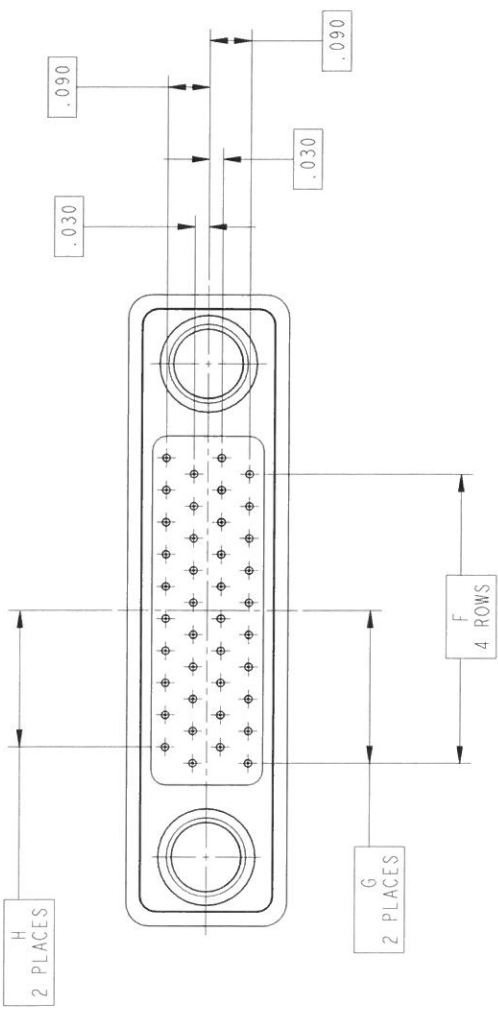
TERMINATION		STICKOUT (DIM E)
22	PCB, STRAIGHT, .016 DIA.	.100
23	PCB, STRAIGHT, .016 DIA.	.130
24	PCB, STRAIGHT, .016 DIA.	.160
28	PCB, STRAIGHT, .016 DIA.	.280

BRUSH WIRE PLATING (CONTACT INTERFACE)	
M	0.000050 Au MIN THK OVER NICKEL
C	0.000020 Au MIN THK OVER NICKEL

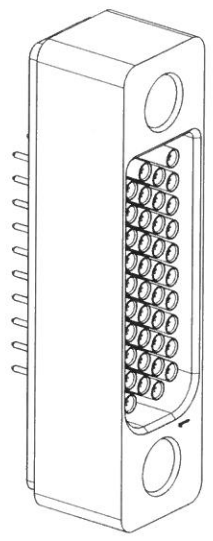
CONNECTOR DIMENSIONS							
N	NUMBER OF CONTACTS	A	MAX	(C)	(D)	H	
040	40	1.380	.5375	1.075	.630	.3325	.2975
060	60	1.730	.7125	1.425	.980	.5075	.4725
080	80	2.080	.8875	1.775	1.330	.6825	.6475
120	120	2.780	1.2375	2.475	2.030	1.0325	.9975
160	160	3.480	1.5875	3.175	2.730	1.3825	1.3475

NOTES: SEE SHEET 3

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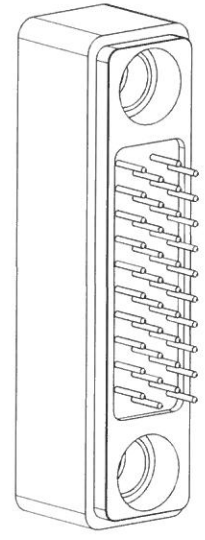


VIEW AT B



FRONT ISO VIEW

SCALE 4.000



REAR ISO VIEW

SCALE 4.000

5. RoHS COMPLIANT FOR TERMINATION FINISH TIN PLATE OVER NICKEL.
4. FOR MATING MOTHERBOARD CONNECTOR ASSEMBLY SEE DRAWING HDB-M4-XXXXXXX.
3. BRUSH CONTACTS ARE NOT REPLACEABLE.
2. INDICATED DIMENSION IS TO POINT OF MINIMUM ELECTRICAL ENGAGEMENT.
1. WHITE INK STAMP "AMPHENOL" 77820, PART NUMBER AND DATE CODE ON INDICATED SURFACE (OR OPPOSITE SIDE) PER 9-3856-5, DATE CODE PER 9-3895, CHARACTERS TO BE .062±.020 HIGH. ADDITIONAL INFORMATION MAY BE REQUESTED BY PURCHASE ORDER.

NOTES:

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