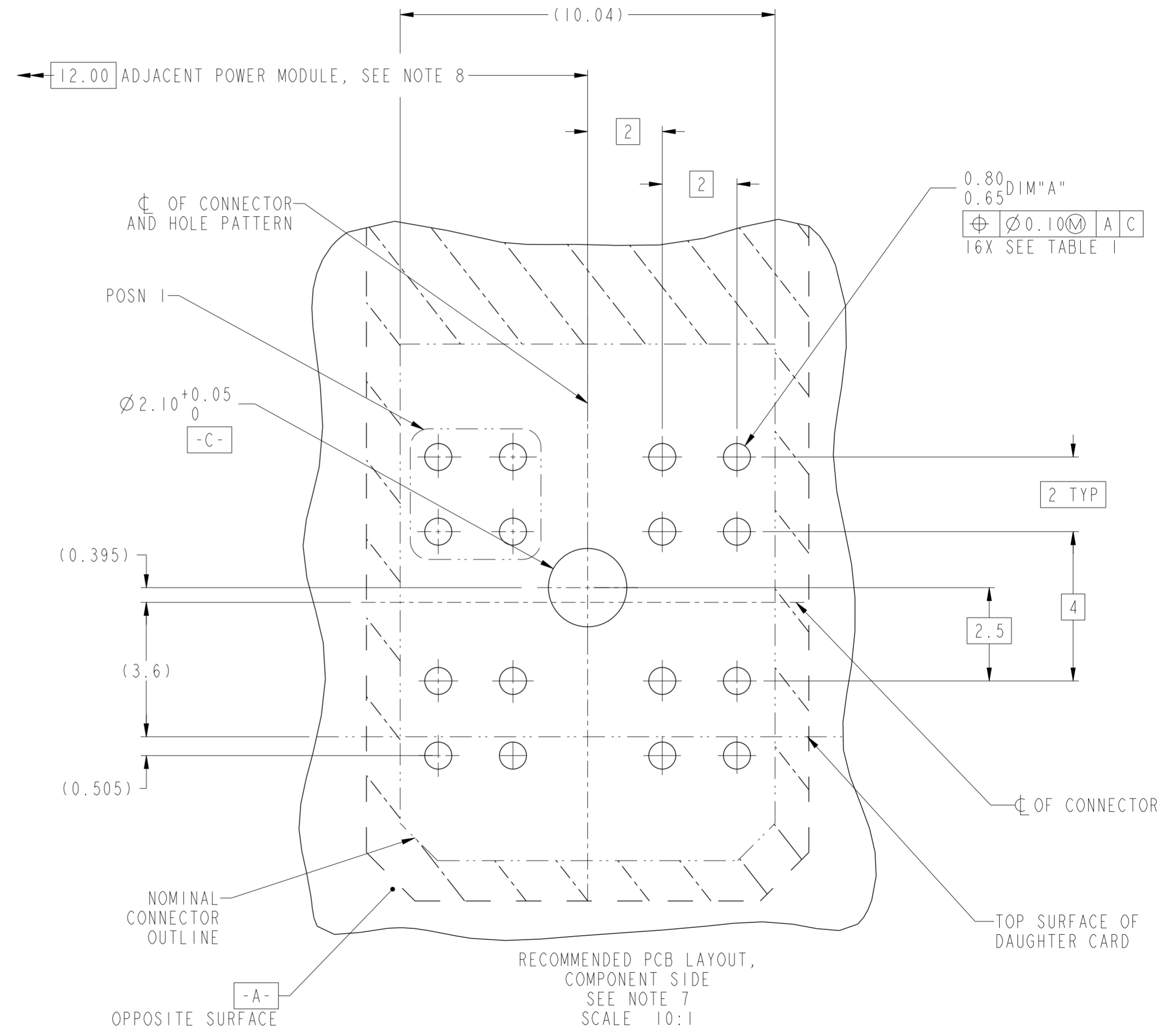


TOP LAYER DESCRIPTION	TABLE 1 PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	0.70 - 0.80
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
COPPER (SEE NOTE 12)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80

NOTES:

- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACT: HIGH PERFORMANCE COPPER ALLOY
- CONTACT PLATING:
PRESS-FIT TAIL: NOT APPLICABLE
SEPARABLE INTERFACE: NOT APPLICABLE
- CONTACT PLATING (LEAD-FREE):
PRESS-FIT TAIL: 0.5um MIN MATTE TIN OVER 0.5um MIN NICKEL.
SEPARABLE INTERFACE: 0.76um MIN GXT OVER 2.54um MIN NICKEL.
CONTACT LUBRICANT: ZIPCHEM.
- PRODUCT SPECIFICATION: GS-12-220
- APPLICATION SPECIFICATION: GS-20-023
- PRODUCT MARKING (PRODUCT NUMBER & LOT CODE) ON HOUSING IN AREA SHOWN, EITHER SIDE.
- MINIMUM NOMINAL BOARD THICKNESS: 2.4mm
- REFER TO CUSTOMER DRAWING SKI0035911 FOR INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO AIRMAX SIGNAL MODULES.
- PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN FCI SPECIFICATION GS-22-008.
- PACKAGING MEETS FCI SPECIFICATION GS-14-920
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR-PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS AT CENTER OF VIA HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.



Amphenol FCI

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spec ref	GS-12-220	dr	Lin-Soe Ngwe	2013/01/20	projection	MM	size	A2	scale	3:1	
tolerance std	ASME Y14.5	eng	Jackie Chen	2016/04/12	chr	-	ecn no	ELX-DG-23855-1	rel level	Released	
surface	linear	0.X	±.3	0.XX	±.1	0.XXX	±.05	angular	0°	±2°	
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		VERTICAL RECEPTACLE ASSY, 2X2		AirMax Power		10124098		rev	D
ASME Y14.5		cat. no.		Product - Customer Drw		sheet 2 of 2					