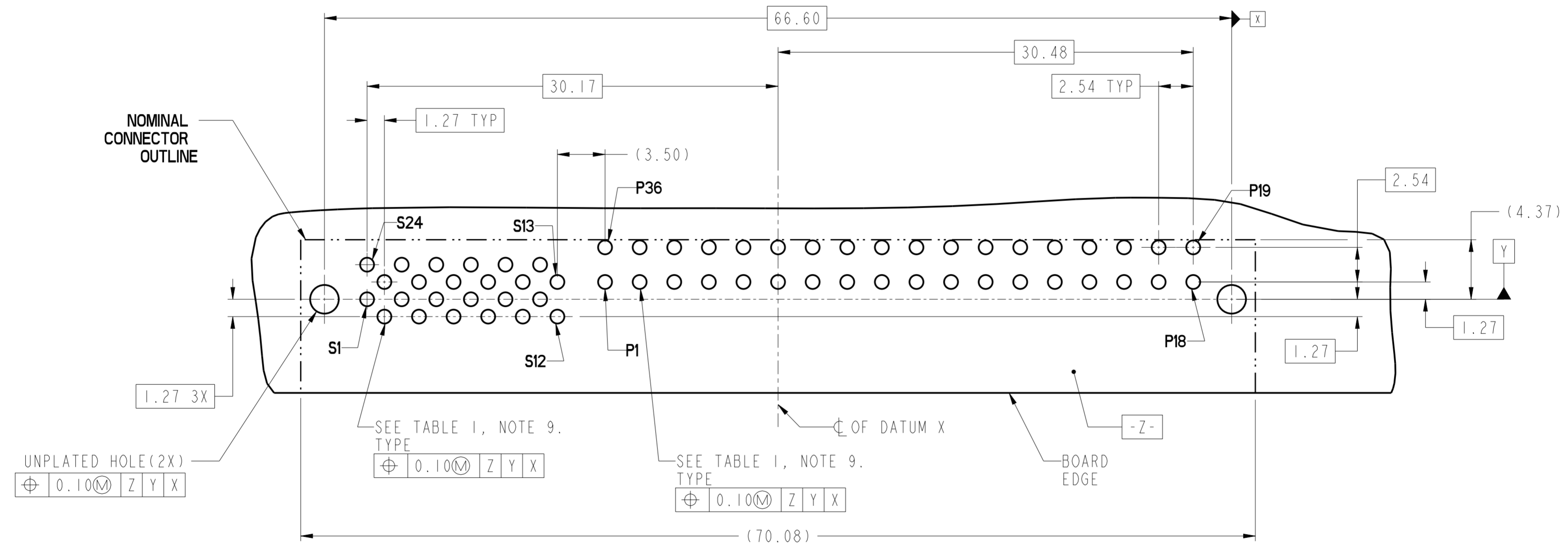


spec ref	-	dr	Wei-Long Zhang	2012/04/19	<b>Amphenol Power Solutions</b> A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/09/15		ec n no	4:1	A2
surface	TOLERANCES UNLESS OTHERWISE SPECIFIED	r v w r	-	-		rel level	Released	
		appr	Zheng, Pei-Min	2021/09/15	cat. no.	10120821	rev	C
ISO 1302	linear 0.X ±0.3 0.XX ±0.10 0.XXX ±0.05 angular 0° ±2°	projection			product family	R/A RECT (24S-36P) HIGH POWER CARD EDGE	Product - Customer Drw	sheet 1 of 4

TABLE 1 (HPCE / SOLDER TAILS)  
PLATED THROUGH-HOLE REQUIREMENTS

CONTACT TYPE	TOP LAYER DESCRIPTION	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
		POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

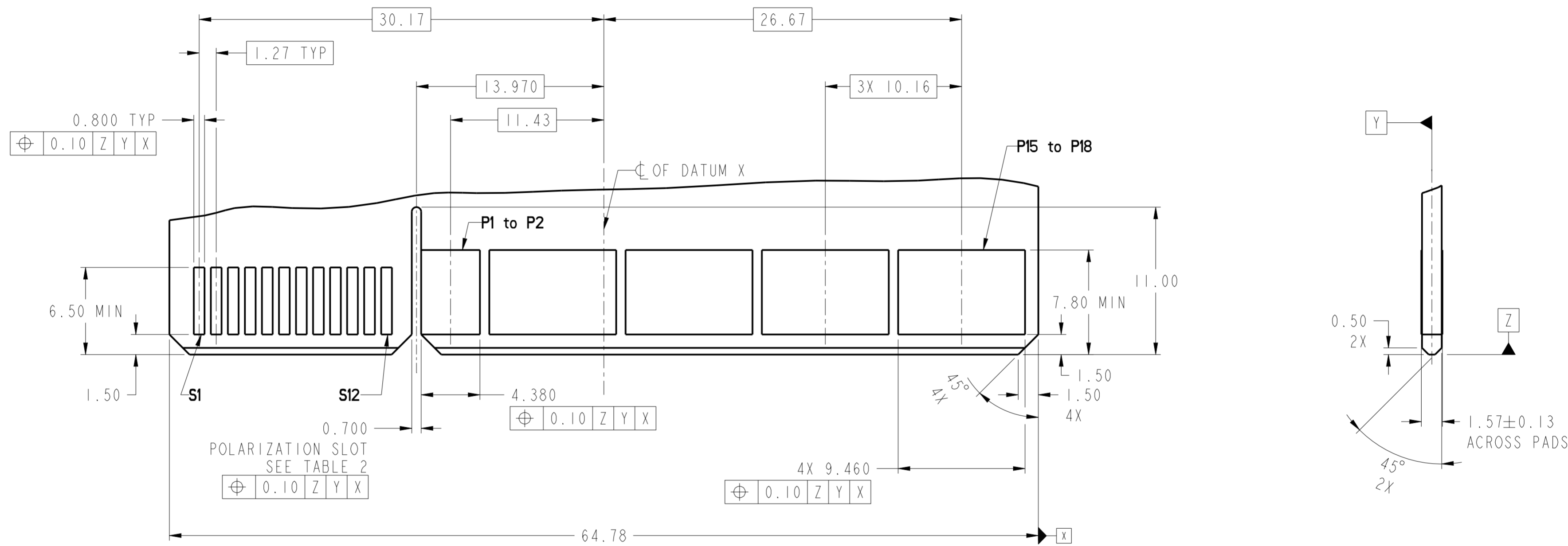


### RECOMMENDED PCB LAYOUT

Amphenol Power Solutions

© 2021 Amphenol Corporation

spec ref	-	dr	Wei-Long Zhang	2012/04/19	<b>Amphenol Power Solutions</b> A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/09/15		4:1	A2	
TOLERANCES UNLESS OTHERWISE SPECIFIED		f v w r	-	-		ec n no	ELX-DG-42316-1	
surface	linear	0.X	±0.3	projection	10120821	rel level	Released	
	0.XX	±0.10	0.XXX	±0.05	cat. no.			
	angular	0°	±2°					
ISO 1302		R/A RECT (24S-36P)		Product - Customer Drw		sheet 2 of 4		

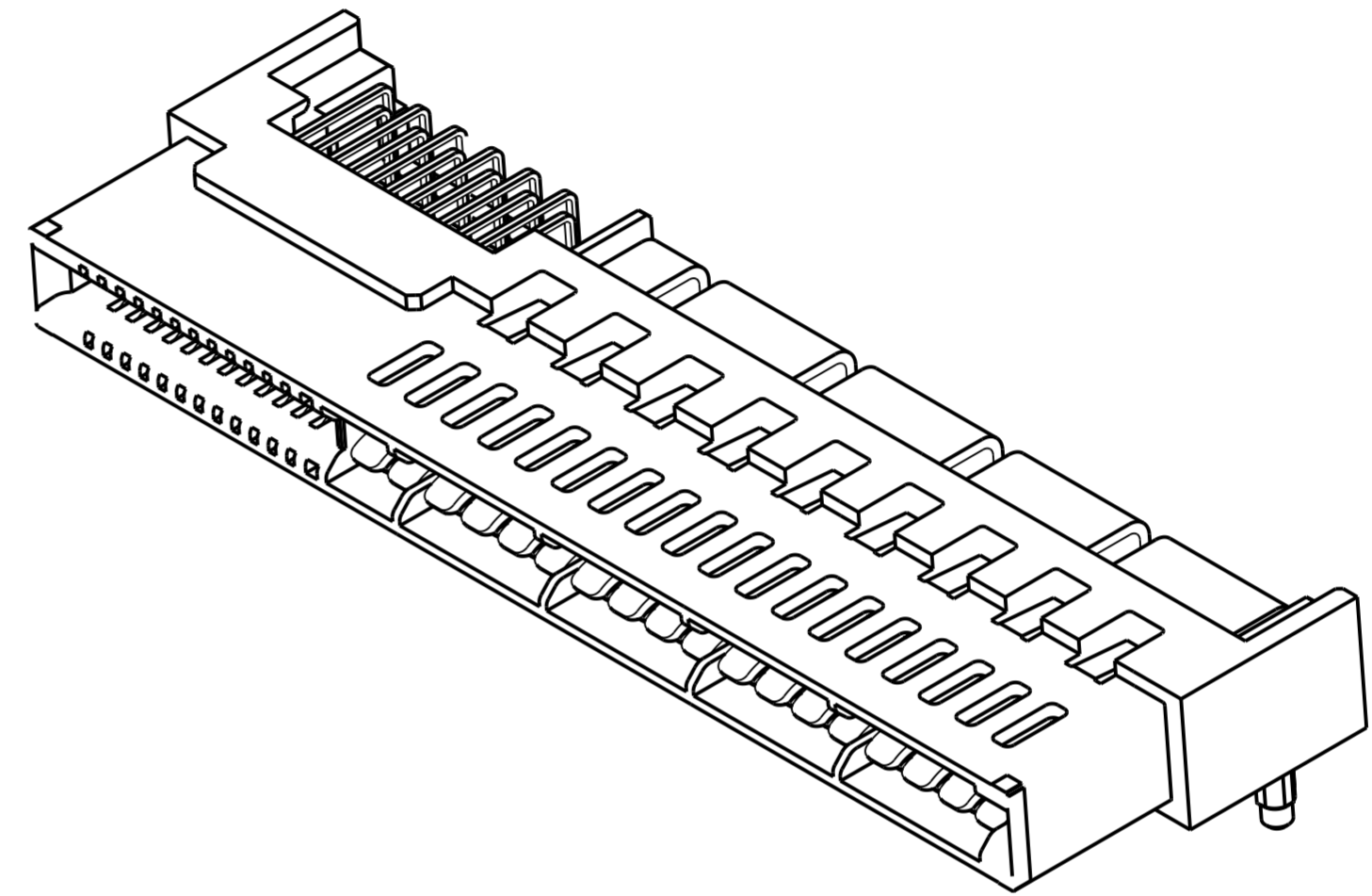


RECOMMENDED MATING BOARD FOOT PRINT

spec ref	-	dr	Wei-Long Zhang	2012/04/19	<b>Amphenol Power Solutions</b> MM scale 4:1 size A2 ecn no ELX-DG-42316-1 rel level Released									
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/09/15										
TOLERANCES UNLESS OTHERWISE SPECIFIED		f v w r	-	-										
surface	linear	0.X	±0.3	projection	R/A RECT (24S-36P) HIGH POWER CARD EDGE product family									
	angular	0.XXX	±0.05	0°		0.XXX ±0.05 0° ±2°								
ISO 1302			apppr		Zheng, Pei-Min	2021/09/15	A Division of Amphenol Corporation	amphenol-hcc.com	rel level	Released	cat. no.	10120821	rev	C

HPCE PART NUMBER (TABLE 2)

PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH
10120821-001LF	SOLDER TAIL	NO	YES	3.25±0.25
10120821-002LF			NO	
10120821-003LF		YES	YES	
10120821-004LF			NO	
10120821-005LF		NO	YES	2.60±0.25
10120821-006LF			NO	
10120821-007LF		YES	YES	
10120821-008LF			NO	
10120821-004HFLF		YES	NO	3.25±0.25



NOTES:

- CONNECTOR MATERIALS:  
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK  
 UL 94V-0 COMPLIANT  
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-604 SECTION 5.2.
- PRODUCT SPECIFICATION: GS-12-604.
- APPLICATION SPECIFICATION: GS-20-128.
- PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED  
 $\varnothing 2.10 \pm 0.1$  FOR SOLDER TAILS

spec ref	-	dr	Wei-Long Zhang	2012/04/19	<b>Amphenol Power Solutions</b> A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size		
tolerance std	ISO 406 ISO 1101	eng	Ada Ye	2021/09/15		4:1	A2			
TOLERANCES UNLESS OTHERWISE SPECIFIED		fwvr	-	-		ec n no	ELX-DG-42316-1			
surface	linear	angular	0°	±2°	app r	Zheng, Pei-Min	2021/09/15	rel level	Released	
ISO 1302	0.X ±0.3 0.XX ±0.10 0.XXX ±0.05	projection			title	R/A RECT (24S-36P) HIGH POWER CARD EDGE	cat. no.	10120821	rev	C
					product family	Product - Customer Drw	sheet	4 of 4		