

Creo File - REV E - 2016-02-12				
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AFCI 2016 Ο

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5 STATUS:Released PDS: Rev :A Printed: Feb 21, 2017

cat. no.

ASSY 6 PR, 120 POS, 6 IMLA, 2MM

0.XX ±.10

0.XXX ±.050

0°

 \pm°

surface –

linear

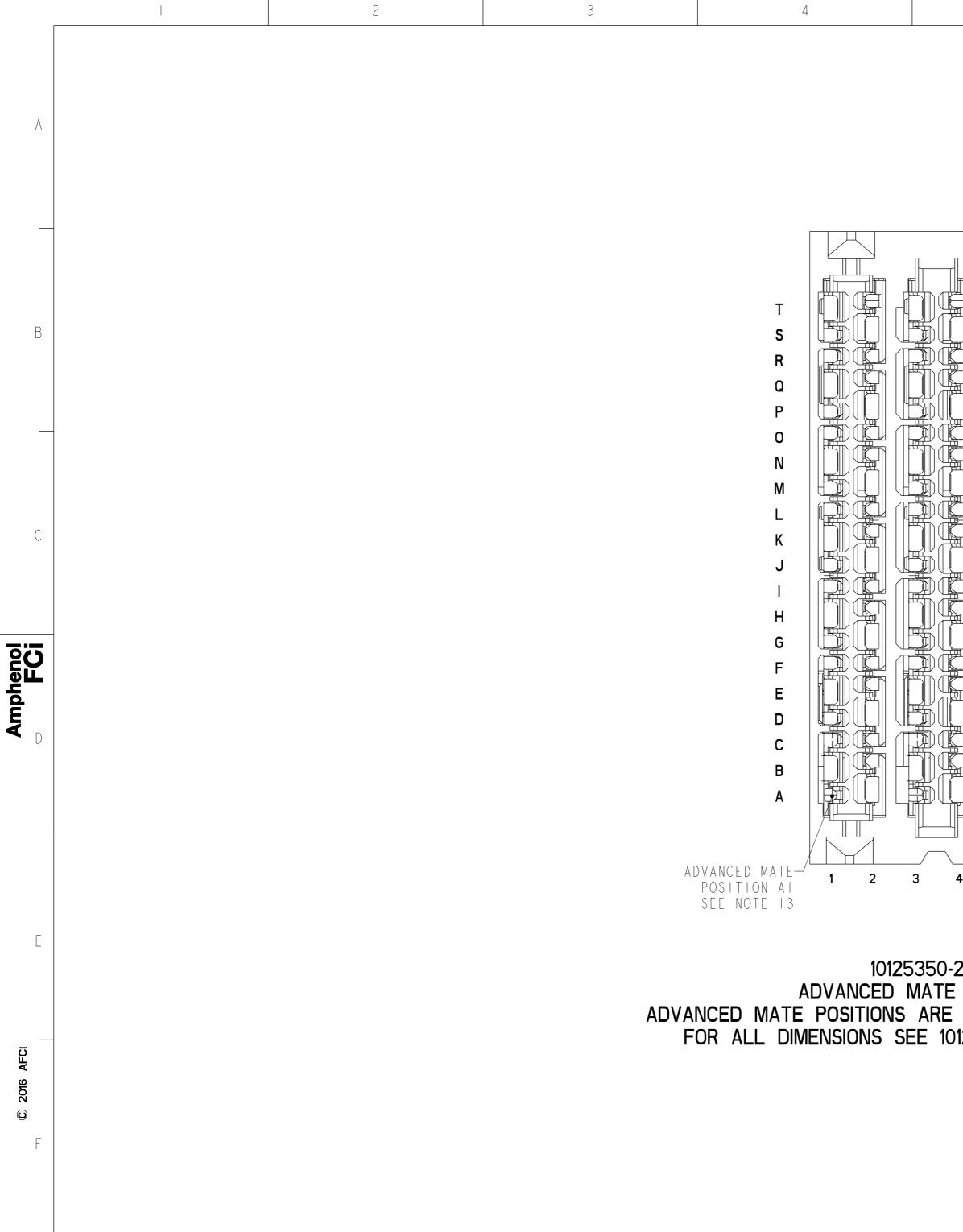
angular

10125350

Product - Customer Drw

Α

sheet I of II

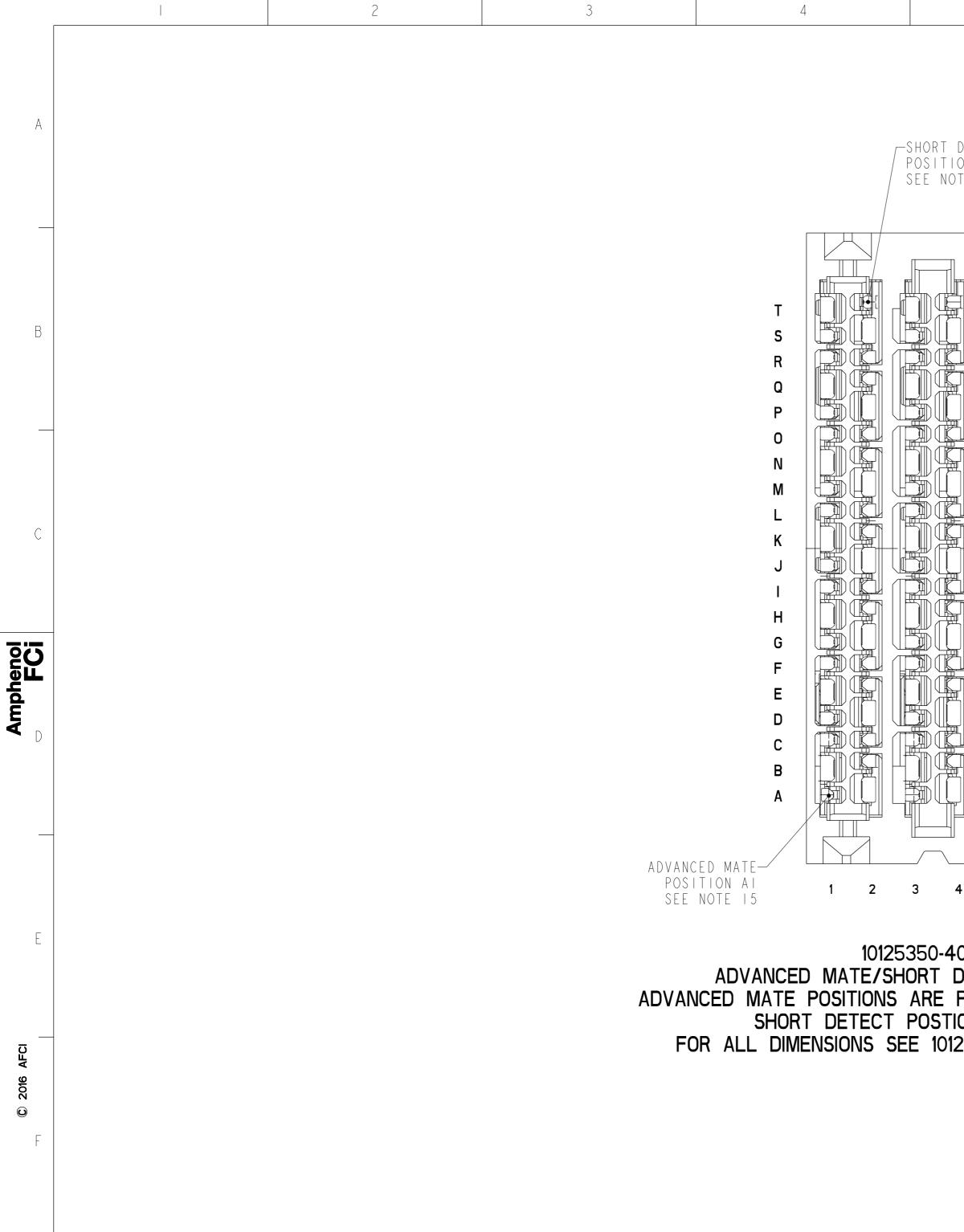


Creo File - REV E - 2016-02-12				
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				A
T S R Q P O				В
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	CED MATE			D
POSIT	D A5 ONLY			E
spec ref SEE NC tolerance std		2013/04/29 projection 2017/01/19	MM size scale A2 6:1	- F

5 PDS			: Re	v :A		ST	STATUS:Released			Printed: Feb 21, 2017					
	V	angular	0°	±°			cat. no			Pro	oduct –	Customer	Drw	sheet 2 of	
	\mathbf{n}		0.XXX	$\pm.050$		FUI	+ ASS	ExaMAX RIGHT-ANG ASSY 6 PR, 120 POS, 6				a q			Α
surface	- /	linear	0.XX	±.10	Am	FCi	— E X					D D	10125350		
			0.X	±.3		- h l	© Г.,				ר	0			rev
ASME YI4.5M OTHERWIS		WISE SPECIFIED					2017/01/19	product	family		ЕхаМАХ	rel level	Released		
ASME VI	1 5M		ANCES U		chr	Heaven Cen		2017/01/19					ecn no	-	
tolerance	e std				eng	Justin Chen		2017/01/19		\square	V	V	A 2	6:1	
spec rei		SEE NU	/IES			N Eppley		2013/04/29	j proje	ection	l N.	1M	SIZe	scare	

r		2	3	4	5	6	7	8
A					HORT DETECT OSITION T2 EE NOTE I4			
B				T S R Q P				
С								
Amphenol FCi				F E D C B A				
E				1 2	3 4 5 6			
) 2016 AFCI			F	SHORT DET	5350-301LF ECT CONNECTOR POSITION IS T2 ONLY EE 10125350-101LF ON S	HEET 1		
O F					spec ref SEE No tolerance std TOLE ASME YI4.5M OTHER surface - linear	eng Justin ChenRANCES UNLESS WISE SPECIFIED $0.X$ $\pm.3$ $0.X$ $\pm.3$ $0.XX$ $\pm.10$ $0.XXX$ $\pm.050$	2017/01/19 2017/01/19 product family MAX RIGHT-ANGLE HDR (6 PR, 120 POS, 6 IMLA, 2MM	MM size scale A2 6:1 ecn no ExaMAX rel level Released P 10125350 A
	Creo File - REV E - 2016-02-12	2	3	4	angular 5	0° ±° cat. no. PDS: Rev :A	STATUS:Released	- Customer Drw sheet 3 of 11 Printed: Feb 21, 2017



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Creo File - REV E - 2016-02-12				
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T DETECT TION T2 NOTE I5			
G F E D C B A			
4 5 6	-ADVANCED MATE POSITION A5 SEE NOTE I5		
-401LF DETECT CONNECT POSITIONS A1 AND TION IS T2 ONLY D125350-101LF ON SI	0 A5 ONLY		
spec ref SEE No tolerance std TOLE	RANCES UNLESS eng Justin Chen 2	1013/04/29 projection 1017/01/19	MM A2 I:I ecn no

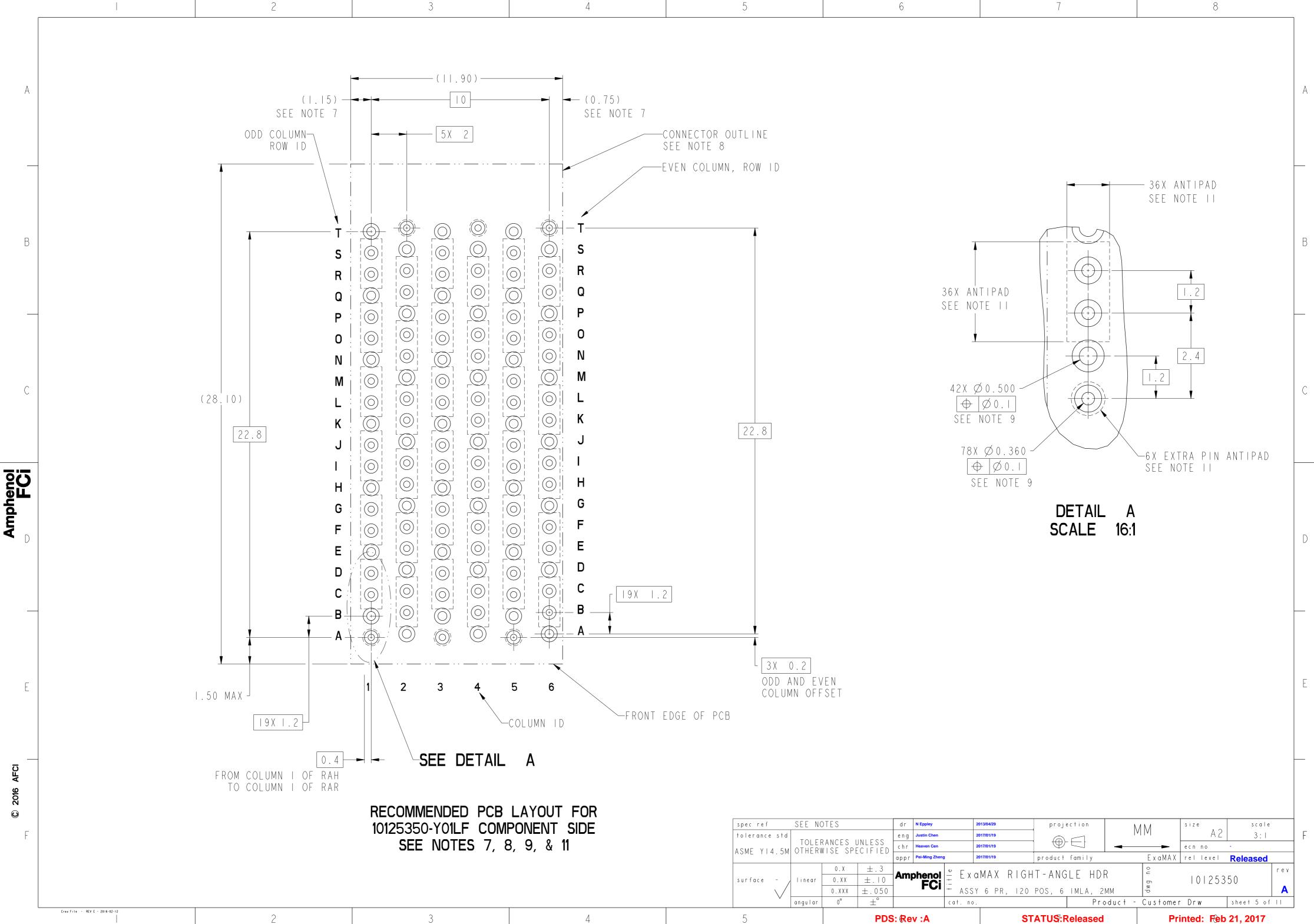
spec	ref	SEE NC	DTES		dr	N Eppley		2013/04/29	proj	ection	Ν	1 M	size	scale	
toler	ance std				eng	Justin Chen		2017/01/19				/ V	A 2	1:1	
ASME	VIA 5M		ANCES U		chr	chr Heaven Cen		2017/01/19	-				ecn no	-	
ASML	SME YI4.5M OTHERWISE SPECIFIE				appr	Pei-Ming Zheng		2017/01/19	product	family		ЕхаМАХ	rel level	Released	
			0.X	±.3	A	hanal	• ⊑ ر.	MAY DICL			C	0 U			rev
surfa	ce - /	linear	0.XX	±. 0				ExaMAX RIGHT-ANGLE H		ILL IIVI	1	D	101253	50	
			0.XXX	$\pm.050$		FUI	+ ASS	- ASSY 6 PR, I20 POS, 6		POS, 6 IMLA, 2MM		₹ q			Α
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5	PDS: Rev :A				ST	STATUS:Released			Printed: Feb 21, 2017						

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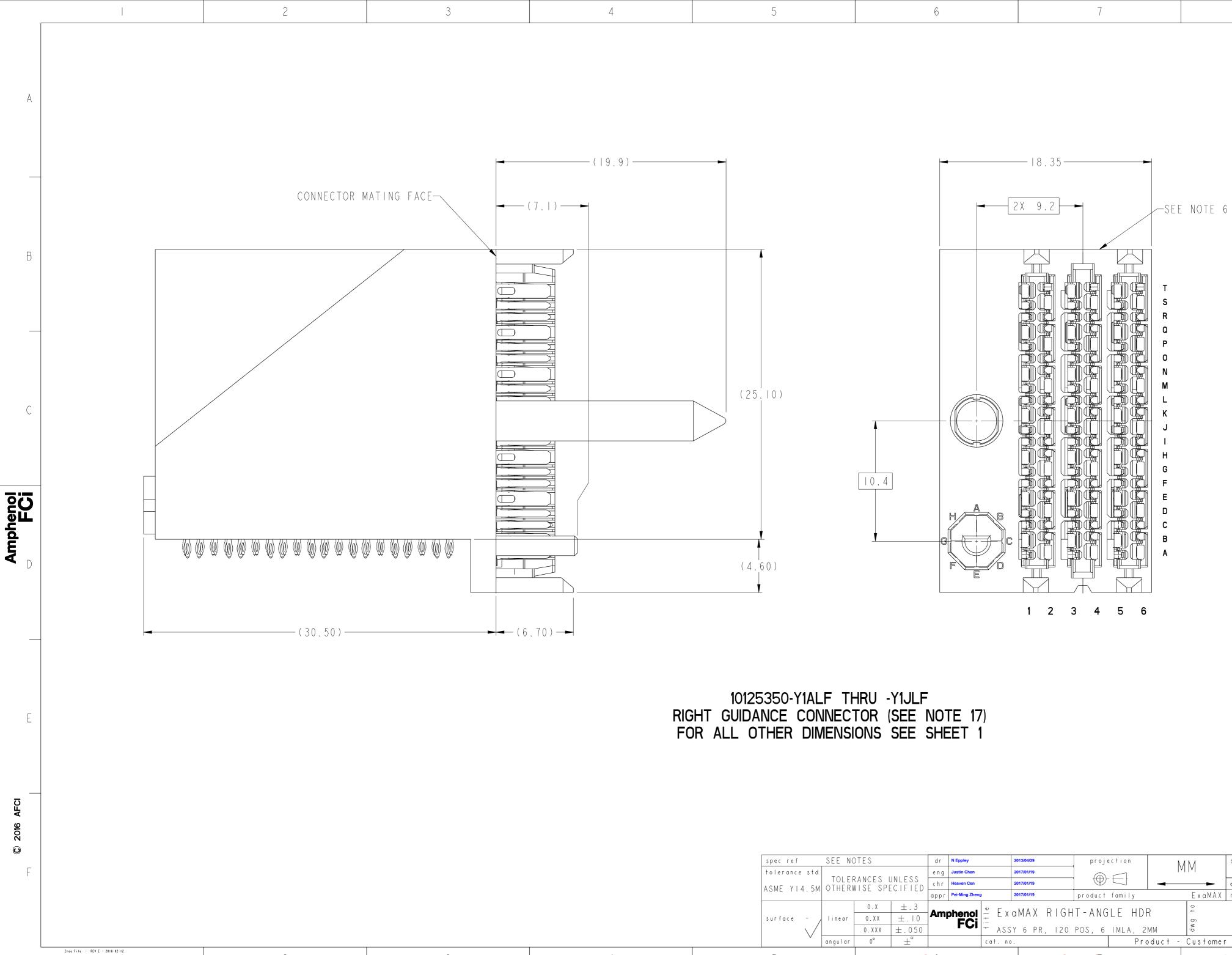
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·	× [angular	0°	±°			cat. no			Pro	oduct -	Customer	. Drw	sheet 5 of	
\backslash			0.XXX	$\pm.050$		FUI	+ ASS	Y 6 PR, 120	POS, 6 I	MLA, 21	MM	d v			A
surface -		linear	0.XX	±. 0	Am	phenol FCi	ExaMAX RIGH		I - ANGL		1	5	101253	50	
			0.X	±.3	A	shanal	♥ E v.	MAY DIGU	T - ANGL)	0 4			rev
AJME 114.	5141	OTHERM				appr Pei-Ming Zheng 2017/01/19 product family		ExaMAX	rel level	Released					
ASME YI4.	5м		ANCES U		chr	chr Heaven Cen		2017/01/19		\Box	-		ecn no	-	
tolerance s	td				eng	Justin Chen		2017/01/19	á r	_	L L	viivi	A 2	3:1	
spec ref		SEE NC) T E S		dr	N Eppley		2013/04/29	projec	tion	Ν	ИМ	size	scale	



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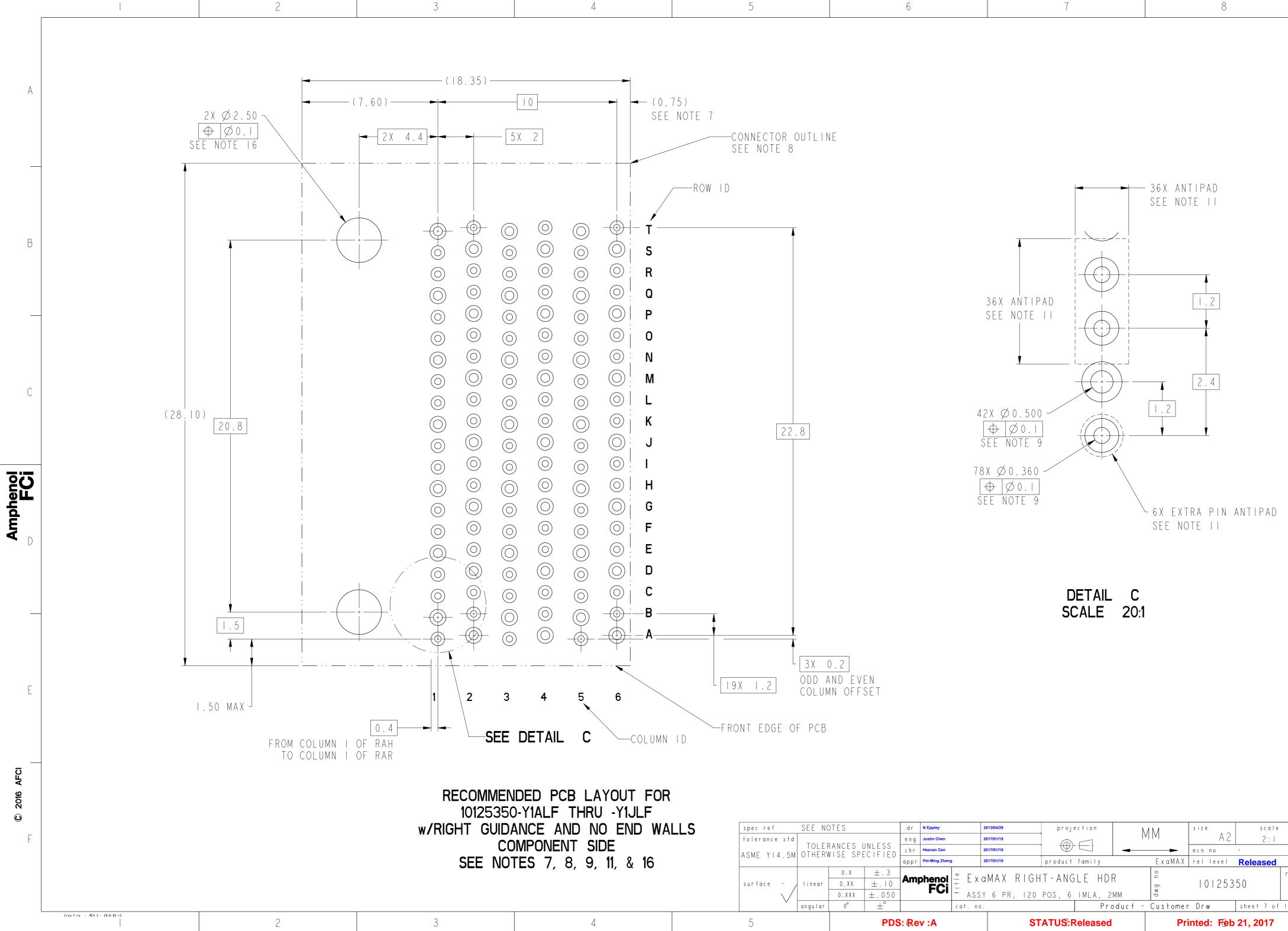
spec ref	SEE NC) T E S		dr			2013/04/29	project	tion	l M	М	size	scale	
tolerance std	T 0 1 5 5			eng	Justin Chen	2017/01/19					V	A 2	6:1	
ASME YI4.5M OTHERWISE SPECIFIE				chr	Heaven Cen		2017/01/19	$\bigoplus - \bigcirc$		→ →		ecn no	-	
ASME 114.3M OTHERWISE STECTIFED			appr	Pei-Ming Zheng		2017/01/19	product fo	amily	•	ExaMAX	rel level	Released		
		0.X	±.3	A	shanal	• ⊑ <i>√</i>	«MAV DICU			D	0 4			rev
surface - / linear 0.XX ±.10					phenol FCi	— C X	ExaMAX RIGHT-ANG		ANOLL HDN		lon 10125		50	
		0.XXX	±.050		FUI	+ ASS	Y 6 PR, 120 POS, 6		S, 6 IMLA, 2MM		≷ q			Α
v	angular	0°	±°			cat. no	· ·		Pro	oduct –	Customer	Drw	sheet 6 of	
5		PDS:			v :A		ST	ATUS:Re	leased		Pri	nted: Feb	21, 2017	

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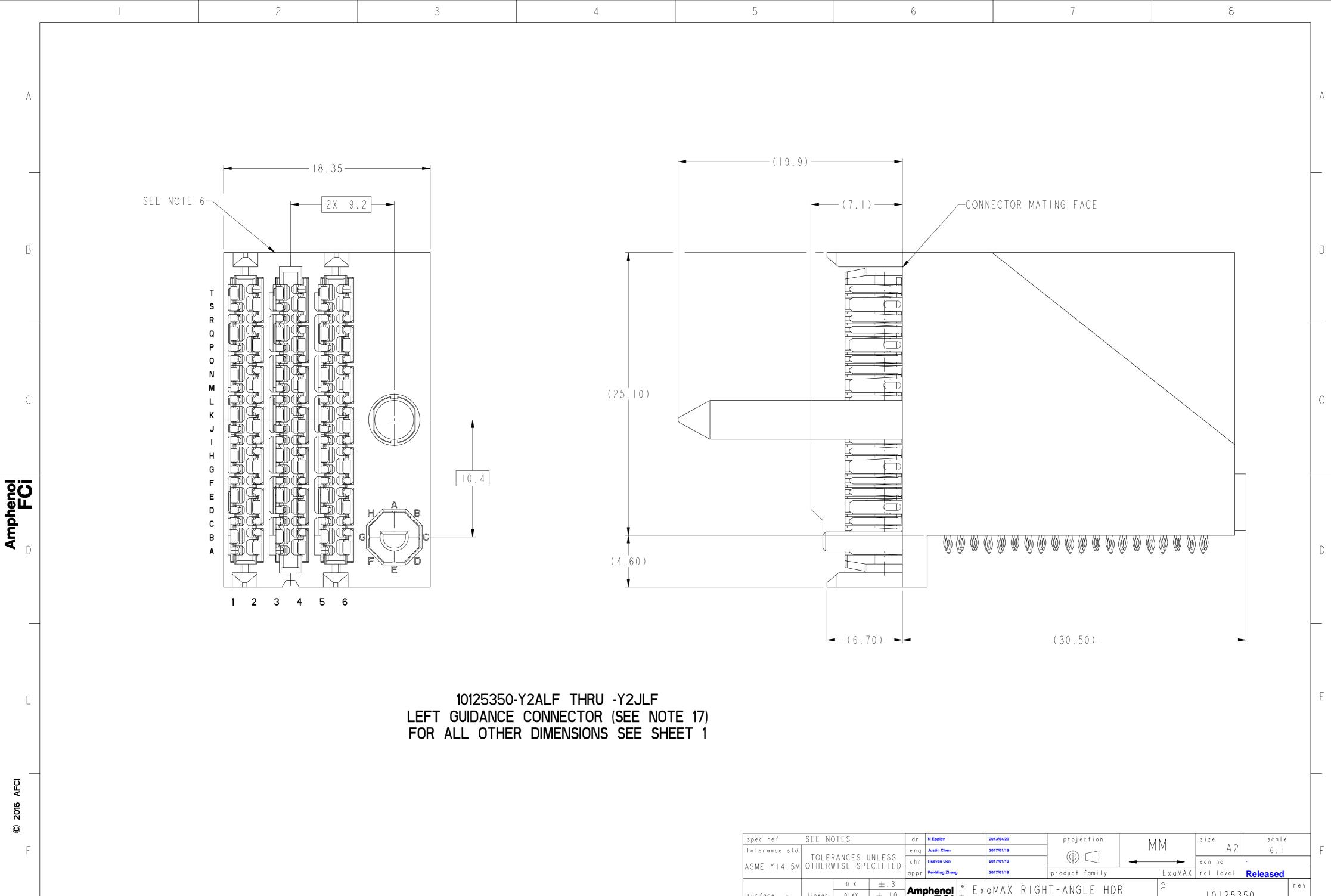
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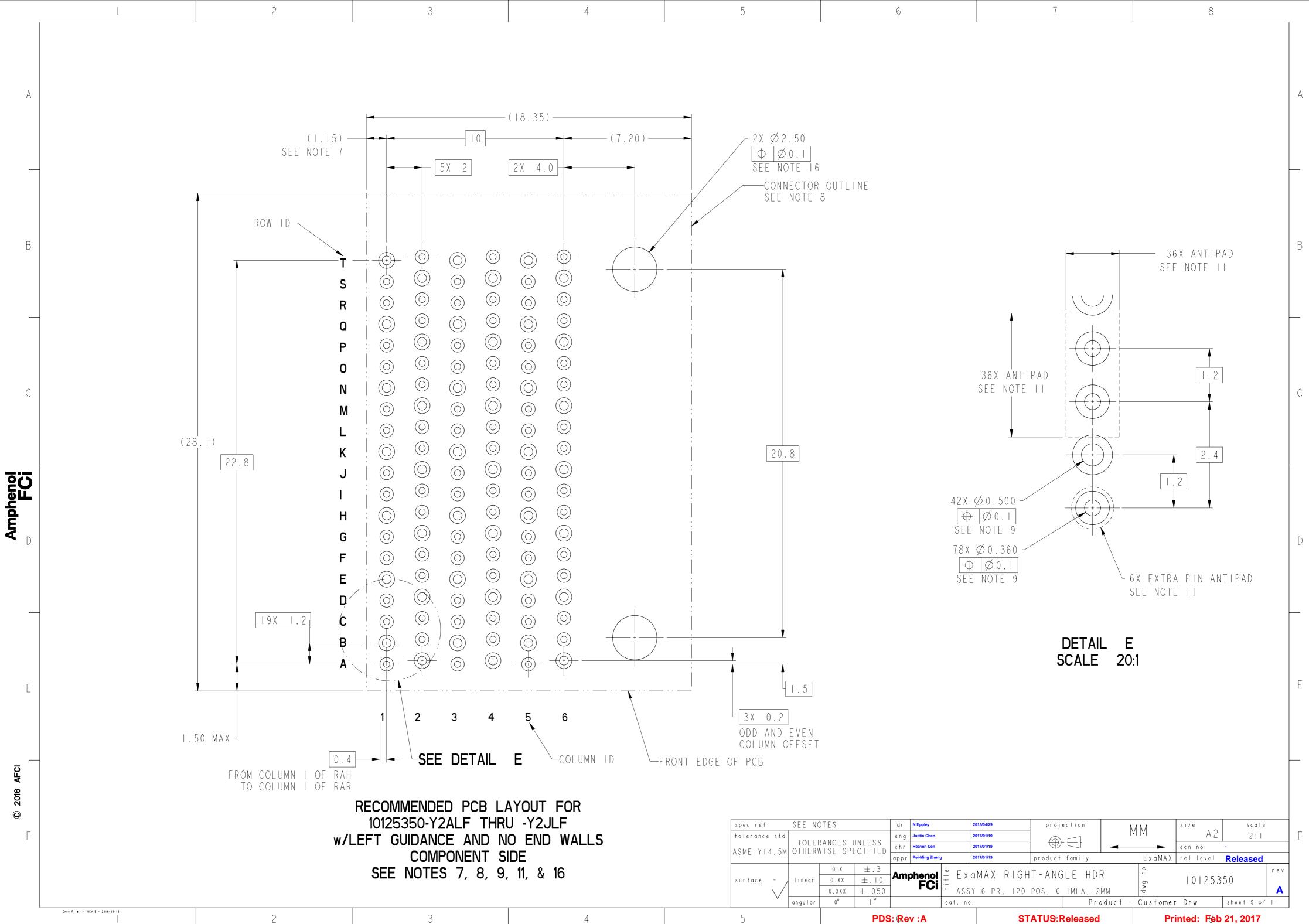
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		0.XXX	$\pm.050$		FUI	+ ASS	Y 6 PR, 120	POS, 6	IMLA, 2	MM	мр			Α
surface -	linear	0.XX	±. 0	AW	FCi			I - ANO	LE NUI	Γ	ۍ	101253	50	
		0.X	±.3	A	shanal	♥ Ev	aMAX RIGH			D	0 4			rev
AJML 114.JM	VIILIW	INCLUIL		appr	Pei-Ming Zheng	1	2017/01/19	product	family		ExaMAX	rel level	Released	
ASME YI4.5M		ANCES L		chr	Heaven Cen		2017/01/19			-		ecn no	-	
tolerance std				eng	Justin Chen		2017/01/19		\square		V	A 2	2:1	
spec ref	SEE NO) T E S		dr	N Eppley		2013/04/29	proje	ection		М	size	scale	



Creo File - REV E - 2016-02-12			
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spec ref	SEE NC	TES		dr	N Eppley		2013/04/29	proje	ection	N/	1 M	size	sca	l e
tolerance std				eng	Justin Chen		2017/01/19		\square	l Iv	V	ŀ	42 6:	
ASME YI4.5M	I TOLER	ANCES U	JNLESS Foififd	chr	Heaven Cen		2017/01/19			-		ecn no	-	
ASML 114.JM		IOL OIL		appr	Pei-Ming Zheng	9	2017/01/19	product	family		ExaMAX	rel lev	el Release	d
		0.X	±.3	A	shanal	° ⊑ ,	aMAX RIGH			D	0 U			rev
surface - /	linear	0.XX	±.10	Am	ohenol FCi						D	1012	5350	
		0.XXX	±.050		FUI	+ ASS	6 PR, 120	POS, 6	IMLA, 2	MM	v d			A
~	angular	0°	±°			cat.no).		Pro	oduct –	Customer	Drw	sheet 8	ofII
5			פחק	S: Re	۸. ۰۷		ST 2		Released		Pri	nted [.] F	eb 21, 2017	,



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A				25	350										A
				MO DESCR	DULE IPTION		DESIGNATION	N REPRESENTE	D IN DASH	I NUMBER			BASE MODULE		
				STAI NO GU (SEE S	NDARD JIDANCE SHEET I)			01							
Β				RI GUII MOI (SEE S	GHT DANCE DULE GHEET 6) HEET 6) GHEET 6)	1B G F C C C C C	$\begin{array}{c c} 1 \mathbf{C} & 1 \\ \mathbf{H} & \mathbf{H} \\ \mathbf{H} \\ \mathbf{H} & \mathbf{H} \\ \mathbf{H} & \mathbf{H} \\ \mathbf{H} & \mathbf{H} \\ \mathbf{H} & \mathbf{H} \\ \mathbf{H} \\ \mathbf{H} \\ \mathbf{H} & \mathbf{H} \\ $	$\begin{array}{c c} D & \mathbf{1E} \\ \hline A & B \\ \hline C & C \\ F & D \\ \end{array} \qquad \begin{array}{c} H & A \\ G & F \\ F & D \\ \end{array} \qquad \begin{array}{c} A \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ F \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ B \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ F \\ D \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ F \\ D \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ F \\ D \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ F \\ D \\ D \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ D \\ D \\ D \\ \end{array} \qquad \begin{array}{c} B \\ B \\ F \\ D \\ D$	$\begin{array}{c c} & \mathbf{1F} \\ \hline \\ C & G & \overset{H}{\underset{F}{\overset{A}{\underset{E}{\overset{B}{\underset{D}{\overset{B}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{B}{\overset{B}{\atopB}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\atopD}{\overset{B}{\atopD}{\overset{B}{\underset{D}{\overset{B}{\underset{D}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\atopB}{\overset{B}{\underset{B}{\overset{B}{\underset{B}{\overset{B}{\atopB}{\overset{B}{\underset{B}{\overset{B}{\atopB}{\overset{B}{\underset{B}{\atopB}{\overset{B}{B}{\overset{B}{\atopB}{\atopB}{\overset{B}{\\B}{\overset{B}{B}{\atopB}{\overset{B}{\\B}{\overset{B}{\\B}{\overset{B}{\\B}{\overset{B}{\\B}{\overset{B}{\\B}{\\B}{\overset{B}{\\B}{&B}{\\B}{&B}{\\B}{\\B}{&B}{\\B}{&B}{\\B}{&B}{&B}{\\B}{&B}{\\B}{&B}{&B}{&B}{&B}{\\B}{&B}{&B}{&B}{&B}{&B}{&B}{&B}{&B}{&B}{&$			$\begin{array}{c} \textbf{IJ} \\ \textbf{NO} \textbf{KEY} \end{array}$			
С	ASSEMBLY PART NUMBER 10125350-1YYLF 10125350-2YYLF	DESCRIP STANDARD ADVANCED	MATE	LI GUII MOI (SEE S	EFT DANCE DULE SHEET 8)	2B	$\begin{array}{c c} & & \\ \hline 2C & 2 \\ \hline \\ H & \\ \hline \\ H & \\ \hline \\ H & \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	$\begin{array}{c c} D \\ \hline D \\ \hline D \\ \hline D \\ \hline C \\ E \\ \hline D \\ \hline C \\ \hline D \\ \hline C \\ \hline \hline C \\ \hline C \\ \hline \hline \hline \hline$	C = G = C = C = C	2G	$\frac{2H}{G_{F}} = \frac{1}{E} = \frac{1}{E}$	$\begin{array}{c} 2J\\ \hline NO KEY)\\ \hline \\ G\\ \hline \\ F\\ \hline \\ \\ E \end{array} \begin{array}{c} B\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$			С
Amphenol FCi	0 25350-3YYLF 0 25350-4YYLF A	SHORT DI DVANCED MATE &													D
_															
E															E
2016 AFCI															
© F							A S M E	TOLERAN YI4.5M OTHERWIS	CES UNLESS - E SPECIFIED -	dr N Eppley eng Justin Chen chr Heaven Cen appr Pei-Ming Zheng	2013/04/29 2017/01/19 2017/01/19 2017/01/19	projection product famil GHT - ANGLE	y Exc	→ ecn no - aMAX rel level Rele	scale I:I F eased rev
	Creo File - REV E - 2016-02-12				I		surf	ace - linear 0 angular	$\begin{array}{cccc} 0.XX & \pm .10 \\ 1.XXX & \pm .050 \\ 0^{\circ} & \pm^{\circ} \end{array}$	FCi -	SSY 6 PR, 12	20 POS, 6 IMLA	6	10125350 tomer Drw shee	A

ASSEMBLY PART NUMBER	DESCRIPTION
10125350-1YYLF	STANDARD MATE
10125350-2YYLF	ADVANCED MATE
10125350-3YYLF	SHORT DETECT
10125350-4YYLF	ADVANCED MATE & SHORT DETECT

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	V	angular	0°	±°	сс	at. no.			Product	– Customer [Drw	sheet IO of	
	\backslash		0.XXX	$\pm.050$		ASSY 6	PR, I20 POS,	6 IMLA	A, 2MM	q			Α

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	NOTES								
A	-	HOUSING: IMLA PLAS CONTACT:	TIC: HIGH TEM COPPER ALLOY	RMOPLASTIC, BL P THERMOPLAST HERMOPLASTIC,	IC, BLACK,	U∟94-V0			
	2 -	PERFO REQUI INCLU	INTERFACE: RMANCE-BASED REMENTS OF FC	PLATING, QUAL I PRODUCT SPEC A GR-1217-CORE T SEQUENCE	CIFICATION	GS-12-1096			
		PRESS	-FIT TAILS: T	IN OVER NICKEL	L (LEAD FRE	Ε)			
В	3 -	PRODUCT S	PECIFICATION:	GS-12-1096					
	4 -	APPLICATI	ON SPECIFICAT	ION: GS-20-036	6				
	5 -	PACKAGING	MEETS GS-14-	920 LEAD FREE	LABELING S	PECIFICATIO	Ν.		
	6 -	PRODUCT M	IARKING, (PART	NUMBER & LOT	CODE), ON	THIS SURFAC	Ε.		
		OR 3.0 mm	AS DEFINED B	G BETWEEN STAC Y NOTE 7 ON TH APPLICATION SP	he mating r	ECEPTACLE C	USTOMER		
С	8-			BE SCREEN PR MANUAL CONNEC			Β ΤΟ		
	9-			ING IOII9933 F AND PLATING OF		TION			
	0 -			EUROPEAN UNIC					
Amphenol		EXAMPLES		ON SPECIFICAT DIMENSIONS FOF			HS,		
An D	2 -			TAND EXPOSURE -RED, OR VAPOF			TURE FOR 10-30	SECONDS	
	(3-)	THE ADVAN WITH AN A OF MATING	CED MATE HEAD DVANCED MATE CONTACTS THA	ER, IOI25350-2 RECEPTACLE WIL T MATE 0.75MM L AND GROUND (2YYLF, WHEN LL PROVIDE BEFORE THE	MATED 2 PAIRS			
		THE SHORT WITH A ST OF MATING	DETECT HEADE ANDARD MATE R CONTACTS THA	R, IOI25350-3 ECEPTACTLE W T MATE I.00 MM L AND GROUND (YYLF, WHEN ILL PROVIDE M AFTER THE				
E	(15-)	WITH AN A CONTACTS GROUND CO	DVANCED MATE THAT MATE 0.7 NTACTS AND I	T DETECT HEADE RECEPTACTLE V 5 MM BEFORE TH PAIR OF MATING THE SIGNAL AN	WILL PROVI HE REMAINDE G CONTACTS	DE 2 PAIRS R OF THE SI THAT MATE I	OF MATING GNAL AND		
2016 AFCI		PHILLIPS CONNECTOR	PAN HEAD M2 H TO THE PCB.	THER A RIGHT (OLD-DOWN SCREW THE SCREW LEN(CB BOARD. SCRE	WS MUST BE GTH SHALL B	USED TO SEC E 2.0-6.0mm	URE THE	FOR .	
2 © F		FEATURES DESIGNATI	WHEN LOOKING ON OF THE MAT	AT THE MATING ING HEADER IS	FACE OF TH DEFINED BY	E RIGHT ANG THE RIGHT	Y THE LOCATION LE RECEPTACLE. ANGLE RECEPTACI RIGHT GUIDE RIC	THE LEFT / RI _E THAT IT MAT	GHT ES PTACLE).
				THIN A COLUMN					

Creo File - REV E - 2016-02-12				
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5 PD				S: Rev :A			STATUS: Released			Printed: Feb 21, 2017					
Ŷ	angular	0° ±°				cat. no			Product		Customer	Drw	sheet II of II		
surface -	, linear	0.XXX	$\pm.050$]	FUI	+ ASS	Y 6 PR, 120	POS, 6	IMLA, 21	MM	qw			A	
		0.XX	±.10	Amp	FCi	— ЕХОМАЛ КІОП 		IT-ANGLE HUR		7	ð	101253	50		
		0.X	±.3	A	shanal	≞ ExaMAX RIGHT-ANG							r	rev	
ASME 114.5M				appr	Pei-Ming Zheng	3	2017/01/19	product family			ExaMAX	rel level Released			
ASME VIA 5M		TOLERANCES UNLESS THERWISE SPECIFIED			Heaven Cen		2017/01/19			I ◄ → ►		ecn no	-		
tolerance std					Justin Chen		2017/01/19			ľ	v v	A 2	2:1		
spec ref	SEE NC	SEE NOTES			dr NEppley		2013/04/29	projection		Ν	ЛМ	size	scale		