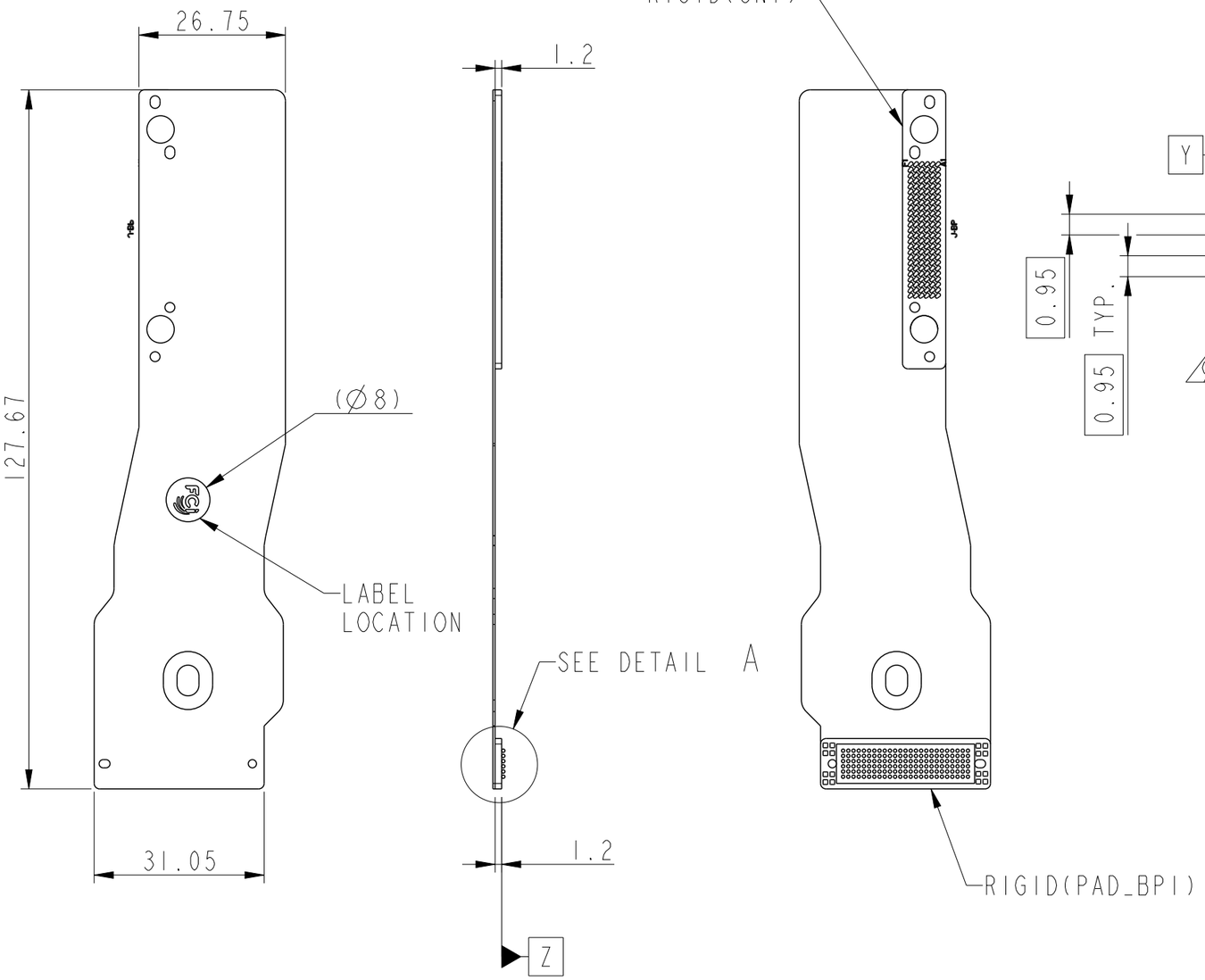
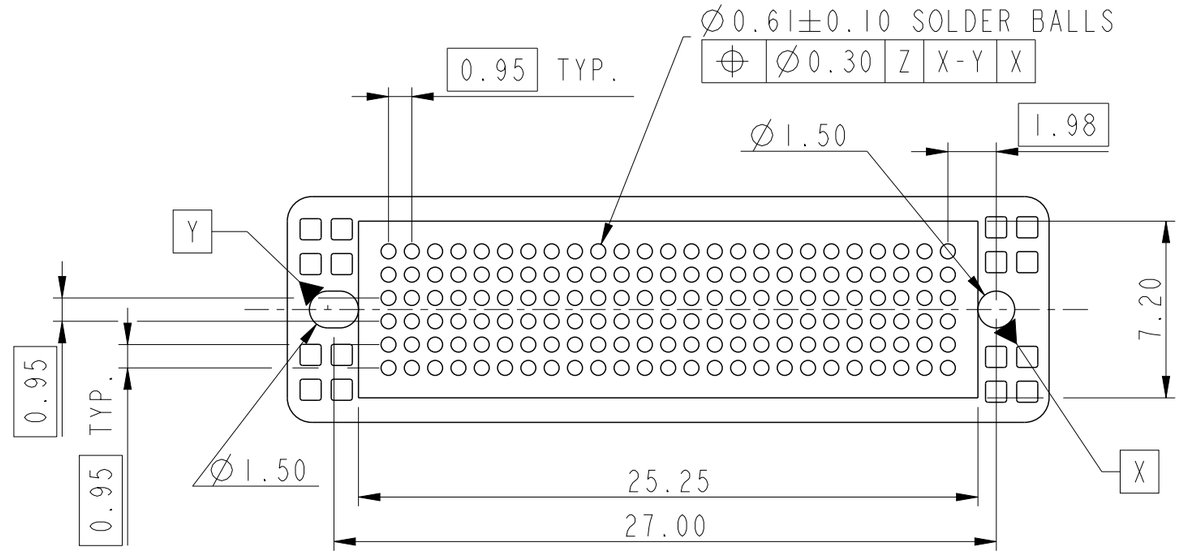
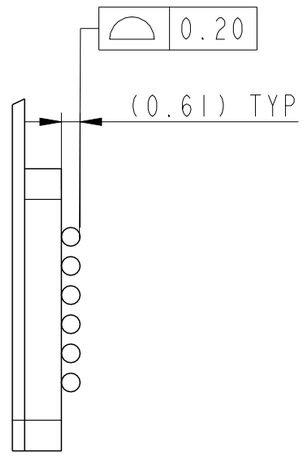
Product P/N	Wistron P/N	BGA Array Pattern
10129553-14430TxLF	550.00501.0011	6X25
10129553-14430MxLF	550.00501.0001	
10129553-14430WxLF	550.00501.0021	







DETAIL A
SCALE 5:1

spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07		
				chr	Heaven Cen	2016/12/07		
				appr	Pei-Ming Zheng	2016/12/07	product family	-
surface ASME Y14.5	linear	0.X	±0.30	Amphenol FCi	title	Flex Cable BGA Assembly	dwg no	10129553
		0.XX	±0.20			Brawn		
		0.XXX	±0.10					
	angular	0°	±2°		cat. no.	-	Product - Customer Drw	

size	scale	rev
A3	1:1	B
ecn no	ELX-DG-25561-1	
rel level	Released	
sheet 1 of 11		

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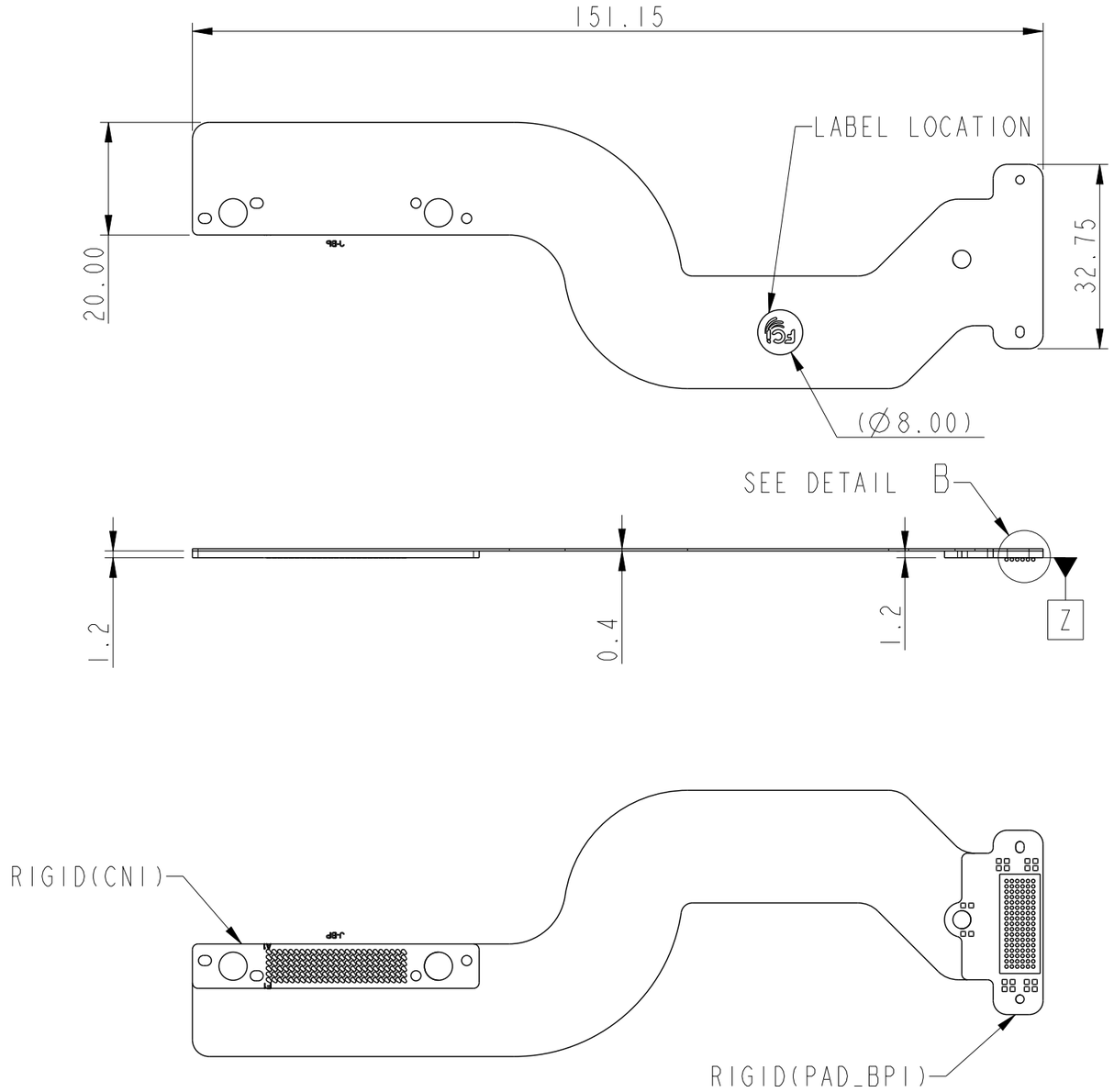
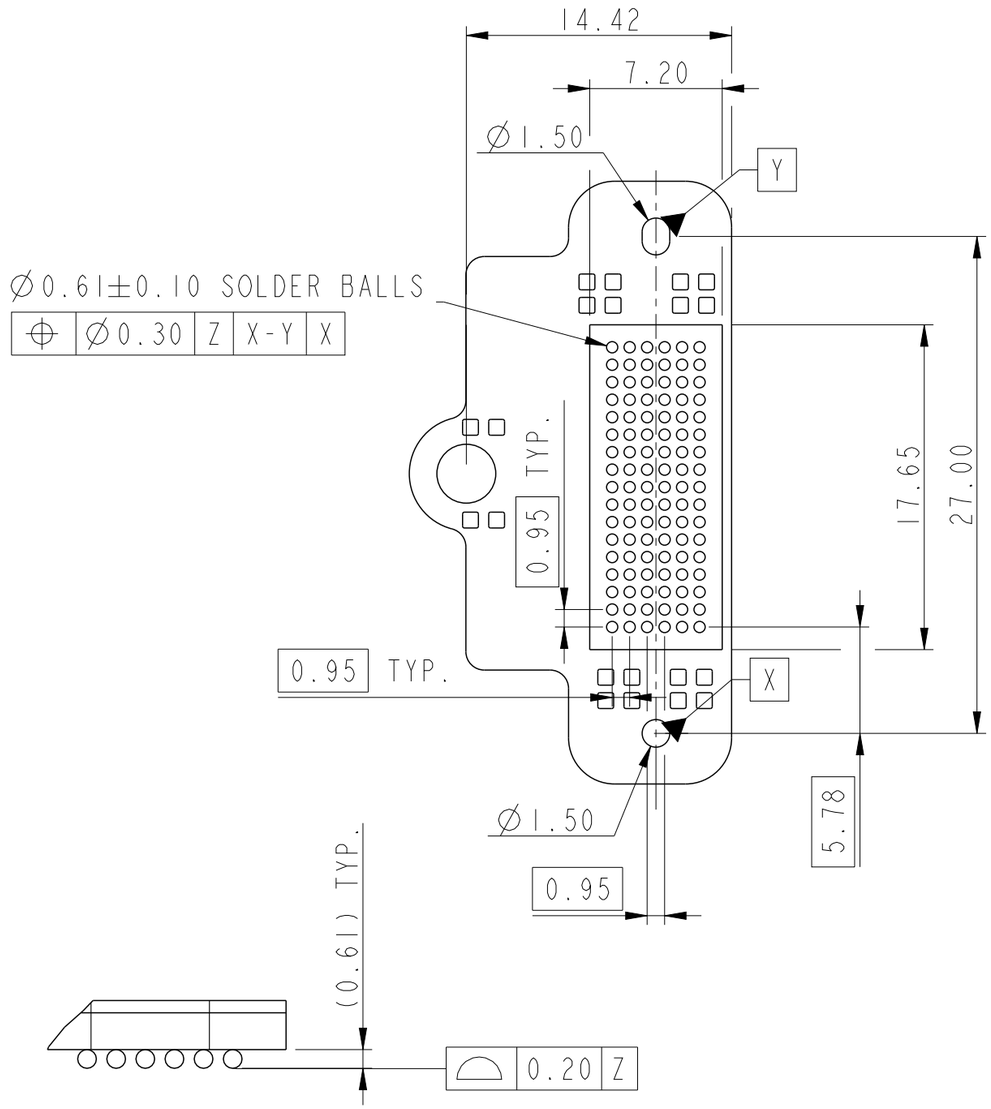
Product P/N	Wistron P/N	BGA Array Pattern
10129553-14426TxLF	550.00609.0001	6X17
10129553-14426MxLF	550.00609.0011	
10129553-14426WxLF	550.00609.0021	





spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3 / scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07			
				appr	Pei-Ming Zheng	2016/12/07	product family -		rel level Released
surface ASME Y14.5	linear	0.X	±0.30	Amphenol FCi	title: Flex Cable BGA Assembly Brawn		dwg no 10129553		rev B
		0.XX	±0.20						
		0.XXX	±0.10						
	angular	0°	±2°		cat. no. -		Product - Customer Drw		sheet 2 of 11

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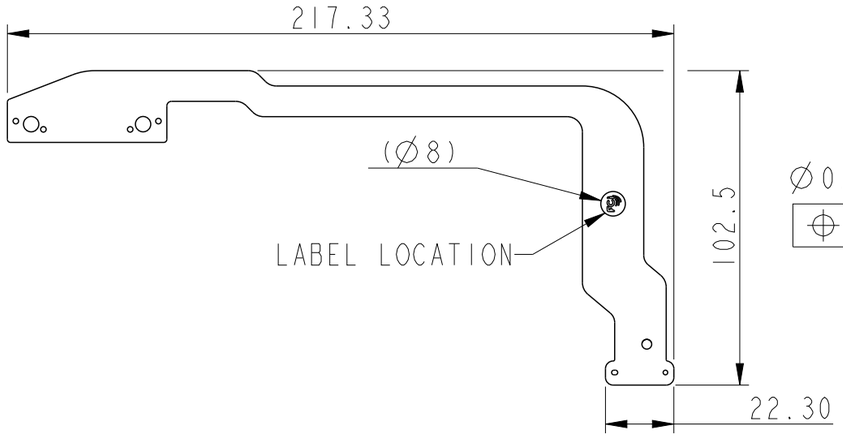
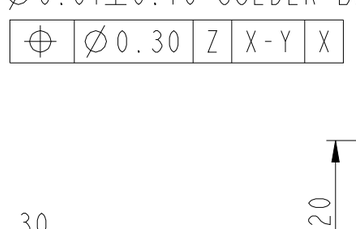
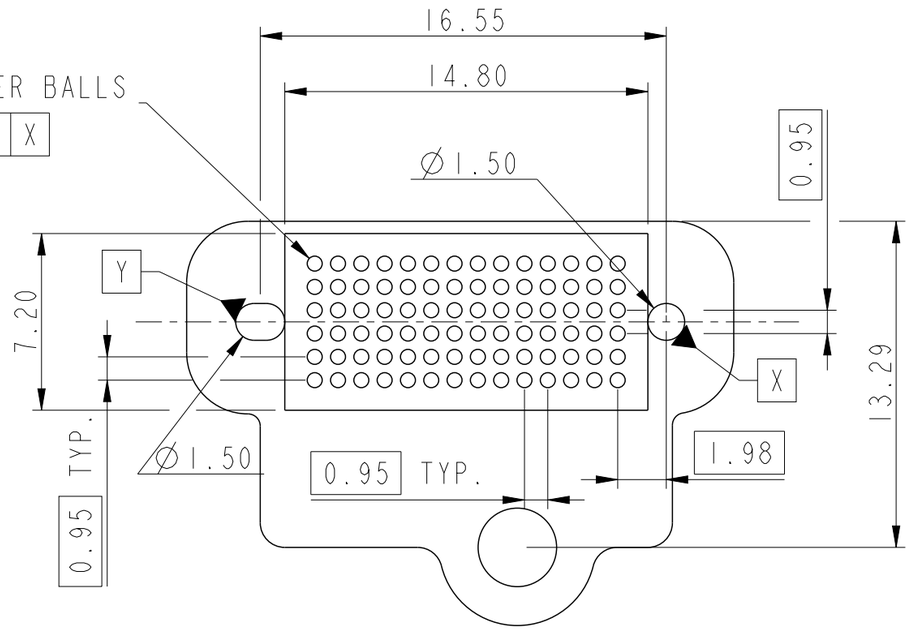
Creo File - REV E - 2016-02-12

PDS: Rev :B STATUS:Released Printed: Dec 07, 2016

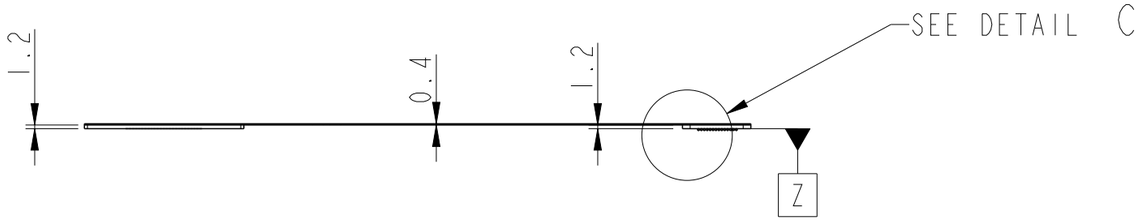
Product P/N	Wistron P/N	BGA Array Pattern
10129553-14425TxLF	550.0060A.0001	6X14
10129553-14425MxLF	550.0060A.0011	
10129553-14425WxLF	550.0060A.0021	

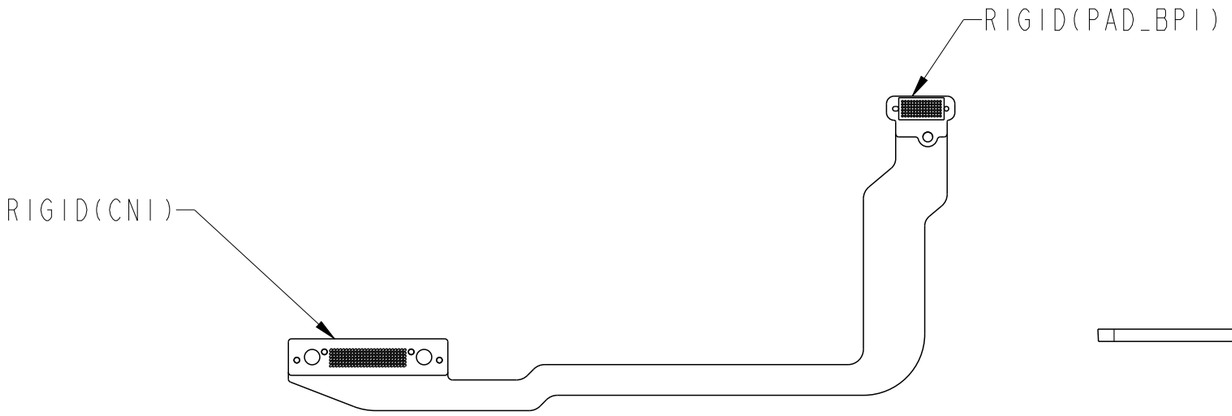


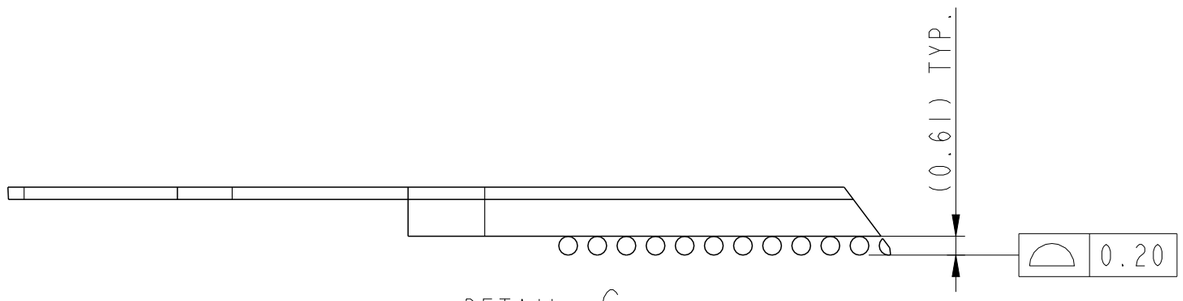




SCALE 4:1







DETAIL C
SCALE 5:1

spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3	scale 1:2
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no	ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07			rel level	Released
surface ASME Y14.5	linear	0.X	±0.30	appr	Pei-Ming Zheng	2016/12/07	product family	-		
		0.XX	±0.20							
		0.XXX	±0.10							
	angular	0°	±2°							

Amphenol FCi

title: Flex Cable BGA Assembly
Brawn

dwg no: 10129553

rev: B

cat. no. - | Product - Customer Drw | sheet 3 of 11

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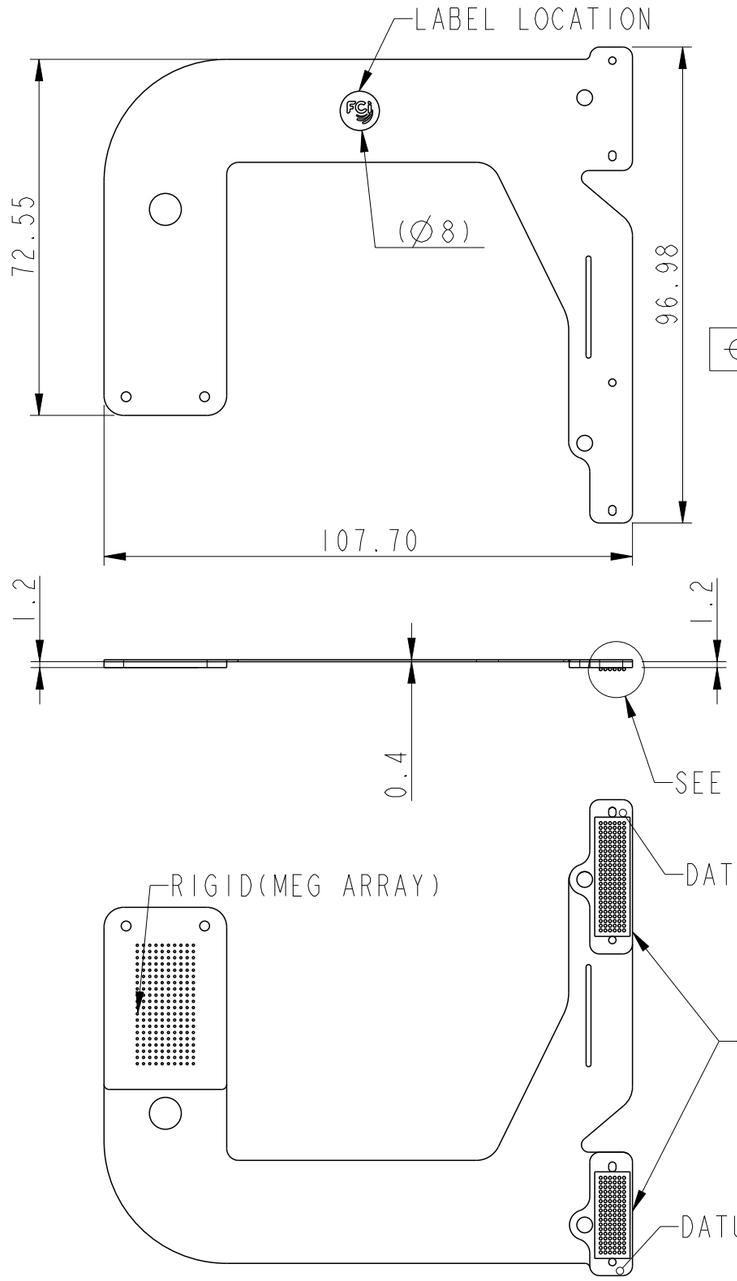
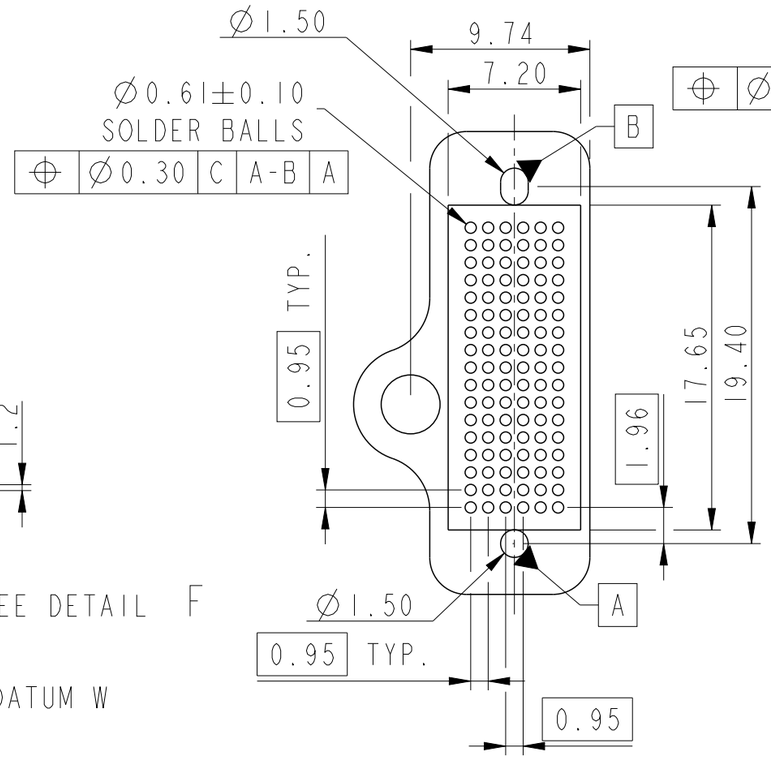
Creo File - REV E - 2016-02-12

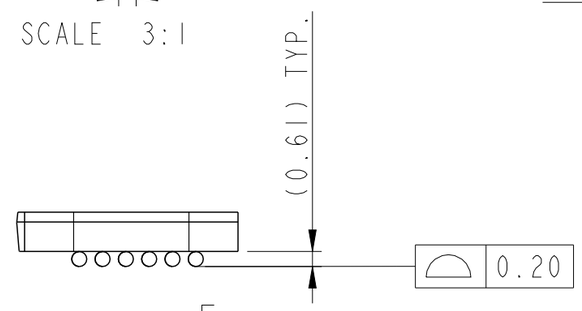
PDS: Rev :B STATUS:Released Printed: Dec 07, 2016

Product P/N	Wistron P/N	BGA Array Pattern
10129553-14423TxLF	550.0060C.0001	6X17,6X24
10129553-14423MxLF	550.0060C.0011	
10129553-14423WxLF	550.0060C.0021	

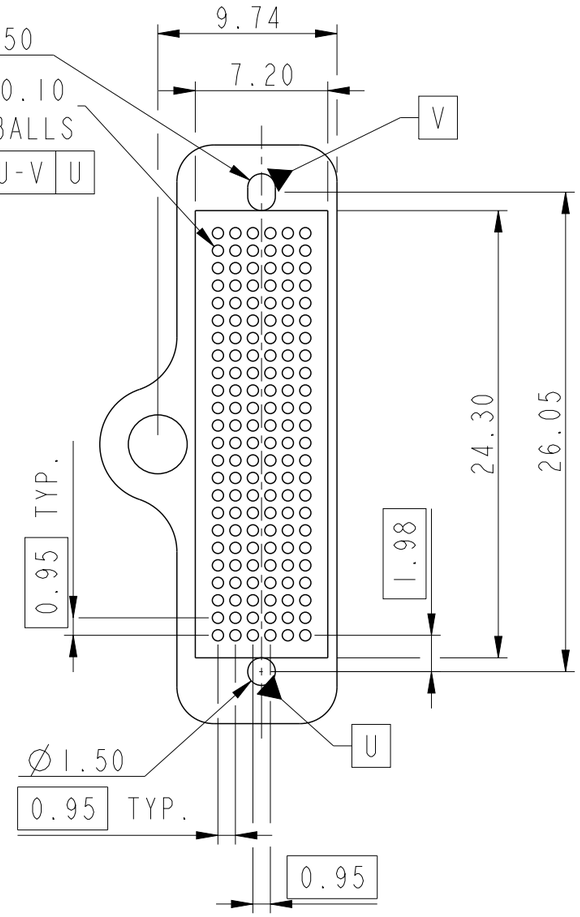




SCALE 3:1



2X DETAIL F
SCALE 4:1



SCALE 3:1

spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3	scale 4:5
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no	ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07			rel level	Released
surface ASME Y14.5	linear	0.X	±0.30	appr	Pei-Ming Zheng	2016/12/07	product family	-		
		0.XX	±0.20	Amphenol FCi	title	Flex Cable BGA Assembly	dwg no	10129553	rev	B
		0.XXX	±0.10			Brawn				
	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 4 of 11	

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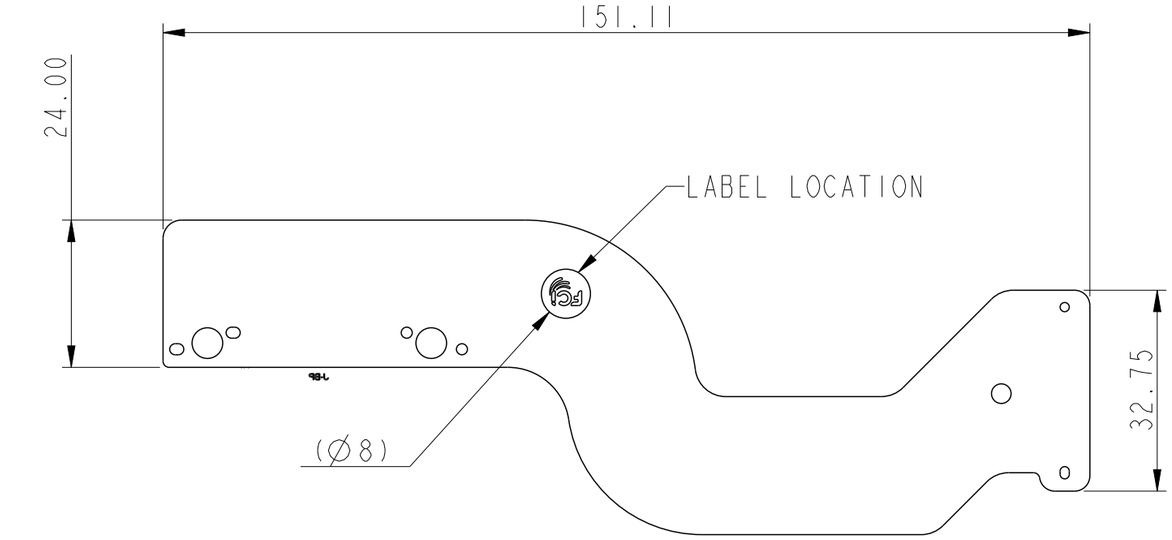
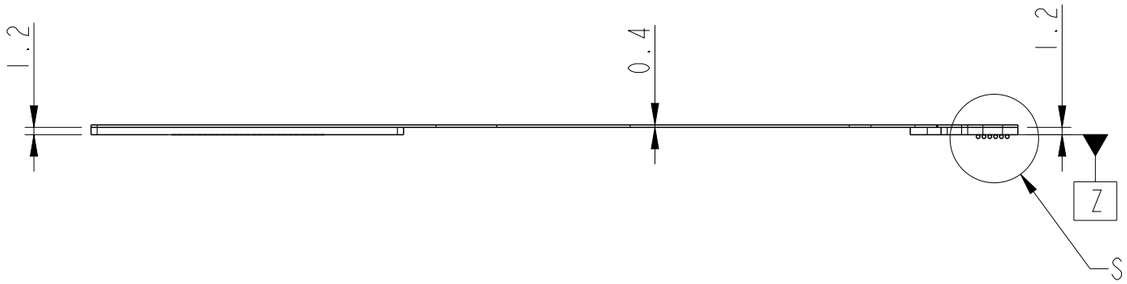
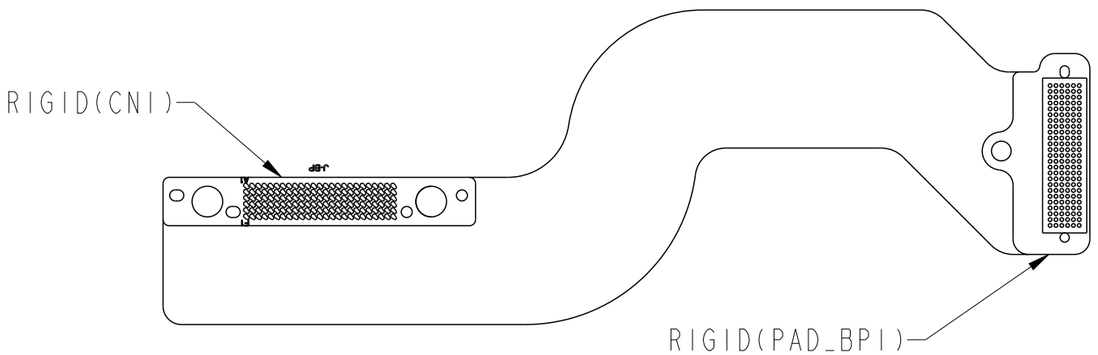
Creo File - REV E - 2016-02-12

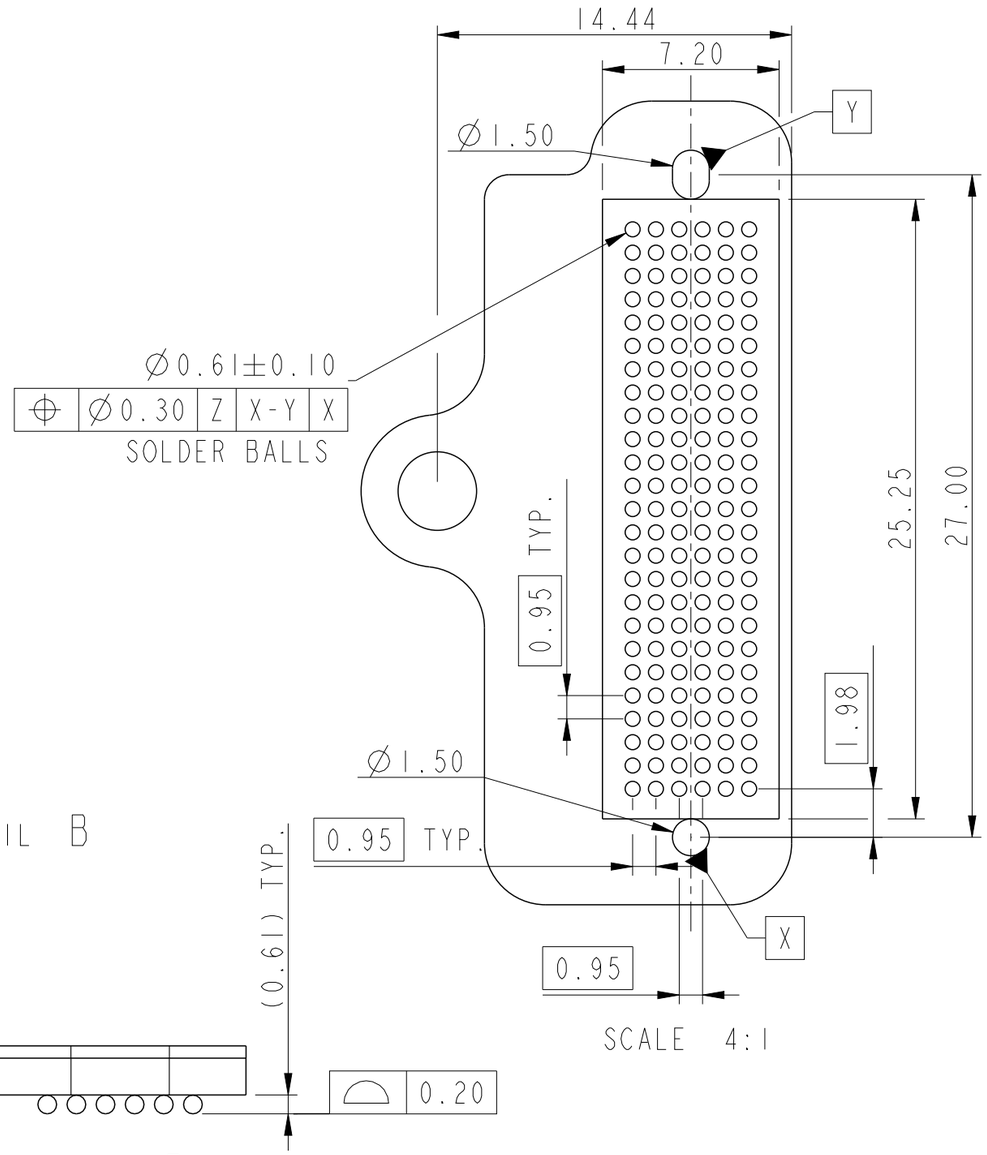
PDS: Rev :B STATUS:Released Printed: Dec 07, 2016

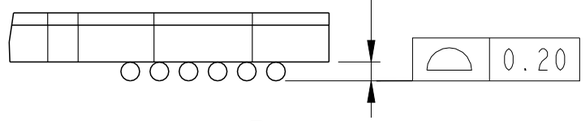
Product P/N	Wistron P/N	BGA Array Pattern
10129553-14424TxLF	550.0060B.0001	6X25
10129553-14424MxLF	550.0060B.0011	
10129553-14424WxLF	550.0060B.0021	











spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3 / scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07			
				appr	Pei-Ming Zheng	2016/12/07	product family -		rel level Released
surface ASME Y14.5	linear	0.X	±0.30	Amphenol FCi	title: Flex Cable BGA Assembly		dwg no 10129553		rev B
		0.XX	±0.20		Brawn				
		0.XXX	±0.10		cat. no. -		Product - Customer Drw		sheet 5 of 11
	angular	0°	±2°						

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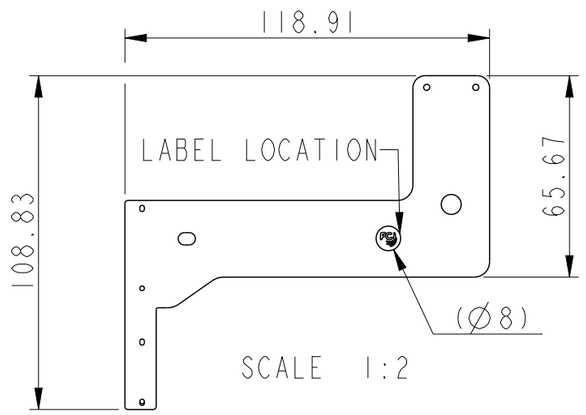
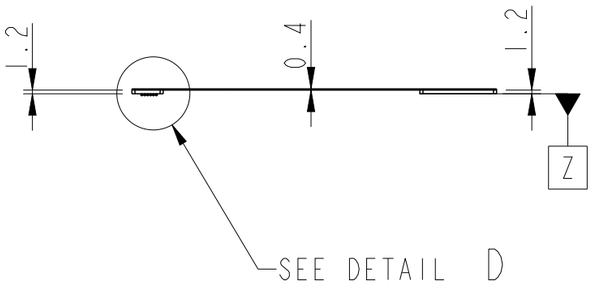
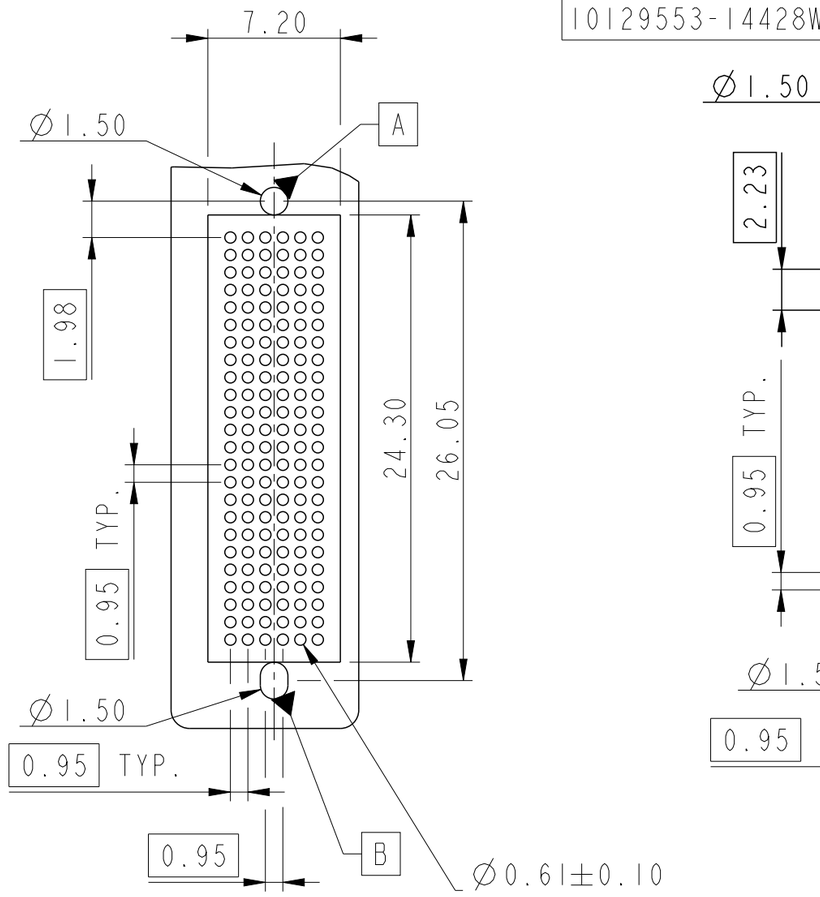
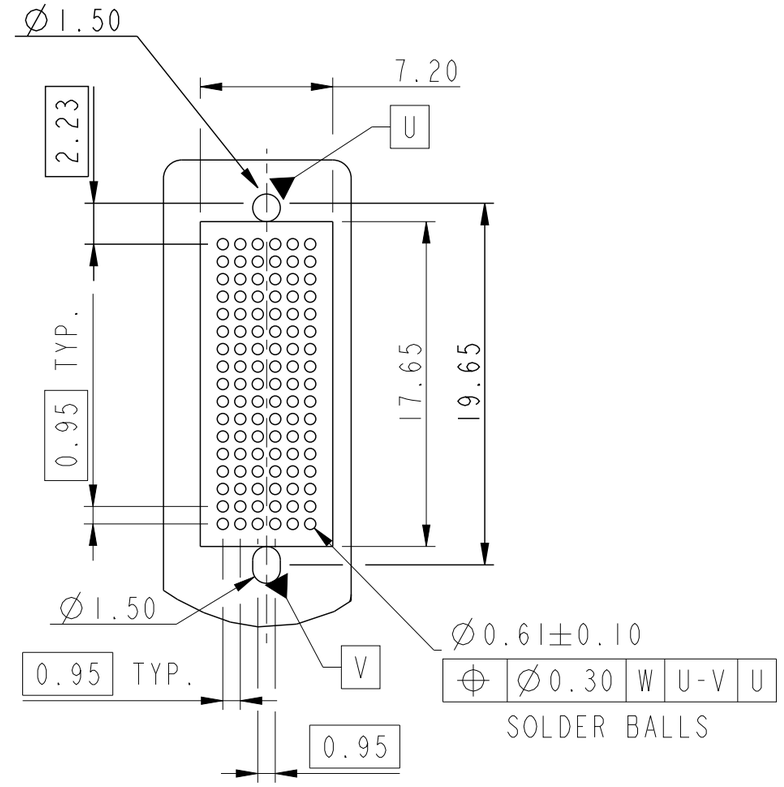
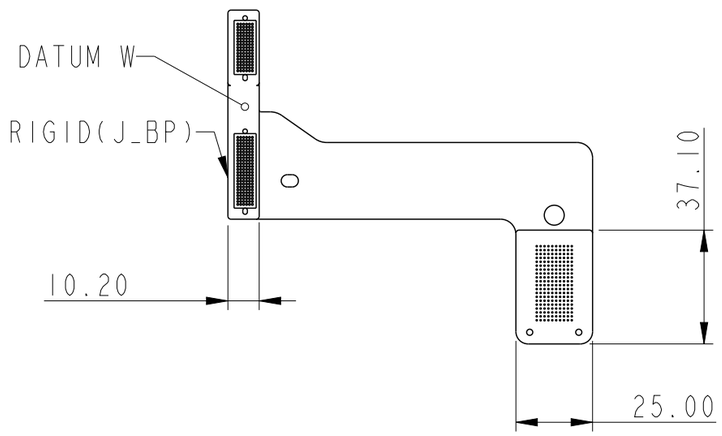
Product P/N	Wistron P/N	BGA Array Pattern
10129553-14428TxLF	550.00504.0011	6X24,6X17
10129553-14428MxLF	550.00504.0001	
10129553-14428WxLF	550.00504.0021	

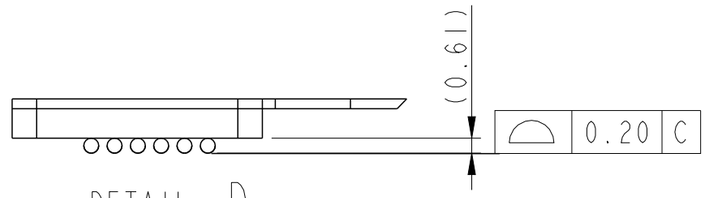












spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3 / scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			
				chr	Heaven Cen	2016/12/07			ecn no ELX-DG-25561-1
				appr	Pei-Ming Zheng	2016/12/07	product family -		rel level Released
surface ASME Y14.5	linear	0.X	±0.30	Amphenol FCi	title: Flex Cable BGA Assembly Brawn		dwg no 10129553		rev B
		0.XX	±0.20						
		0.XXX	±0.10						
	angular	0°	±2°		cat. no. -		Product - Customer Drw		sheet 6 of 11

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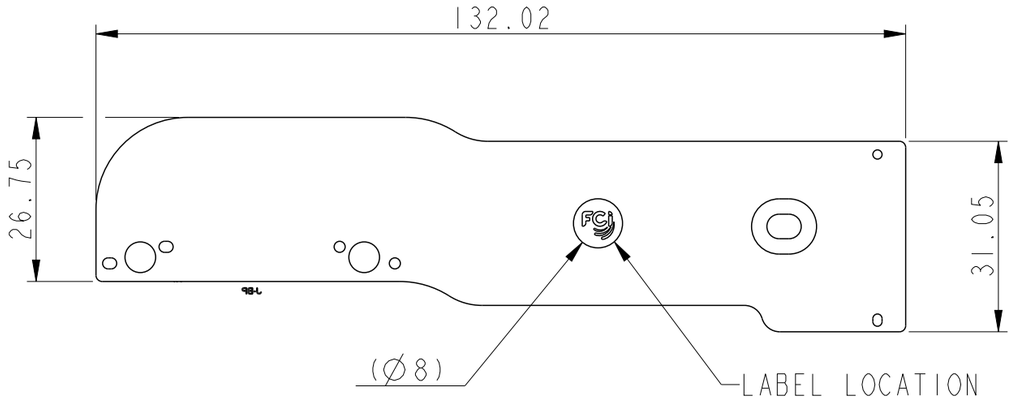
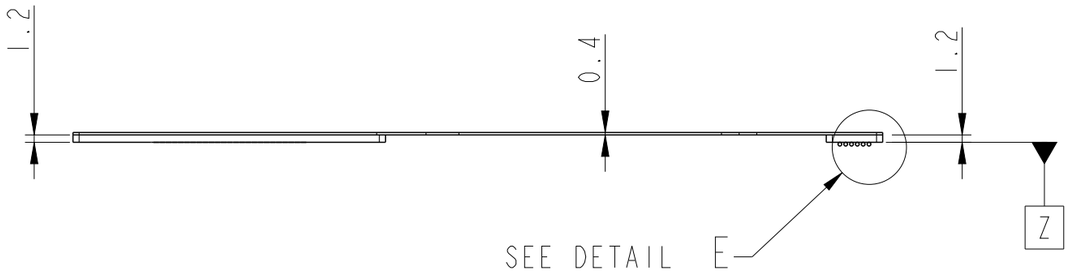
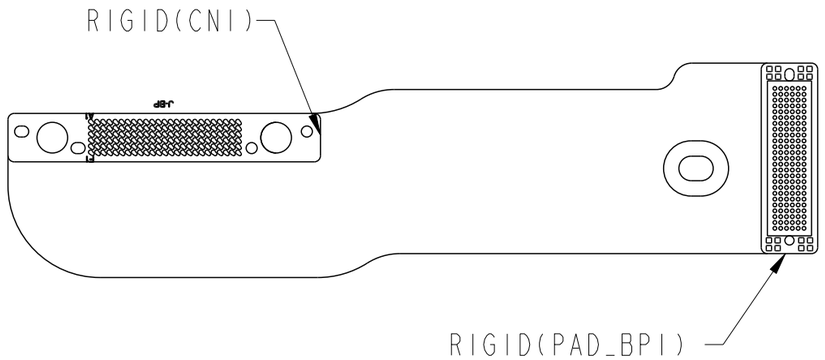
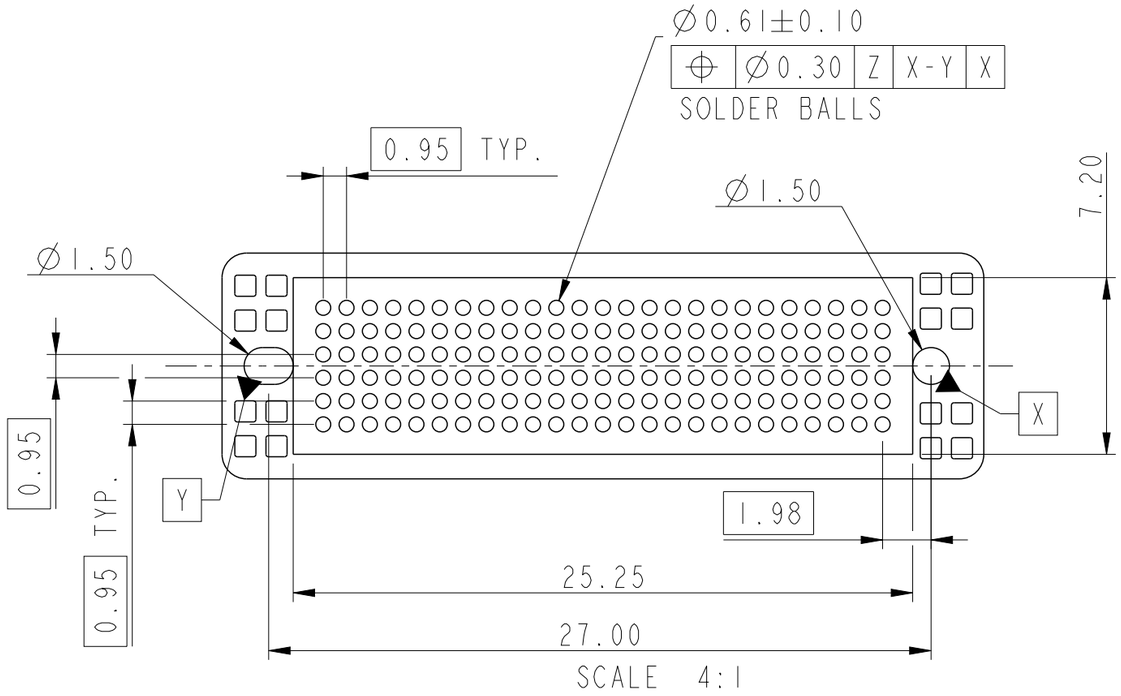
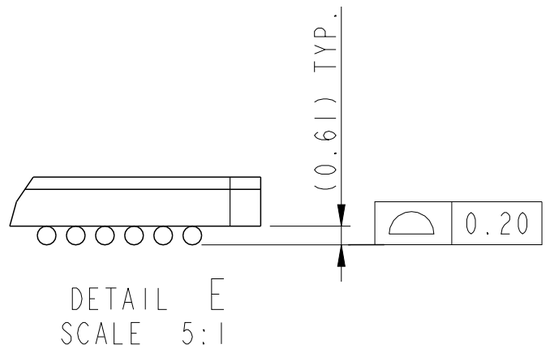
Product P/N	Wistron P/N	BGA Array Pattern
10129553-14429TxLF	550.00503.0031	6X25
10129553-14429MxLF	550.00503.0001	
10129553-14429WxLF	550.00503.0021	











spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3	scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no	ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07			rel level	Released
surface ASME Y14.5	linear	0.X	±0.30	appr	Pei-Ming Zheng	2016/12/07	product family	-		
		0.XX	±0.20	Amphenol FCi	title	Flex Cable BGA Assembly Brawn		dwg no 10129553		rev B
		0.XXX	±0.10							
	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 7 of 11	

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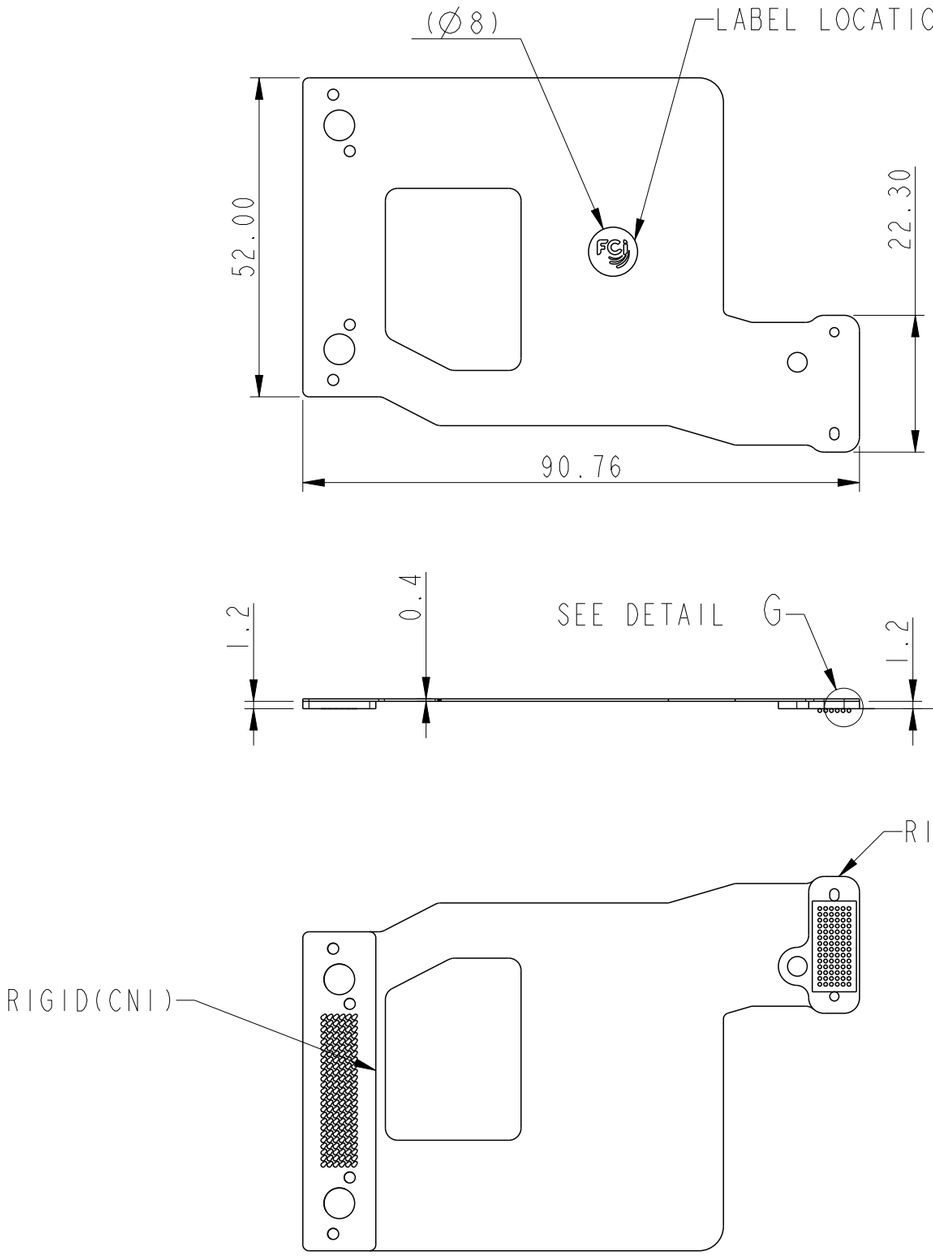
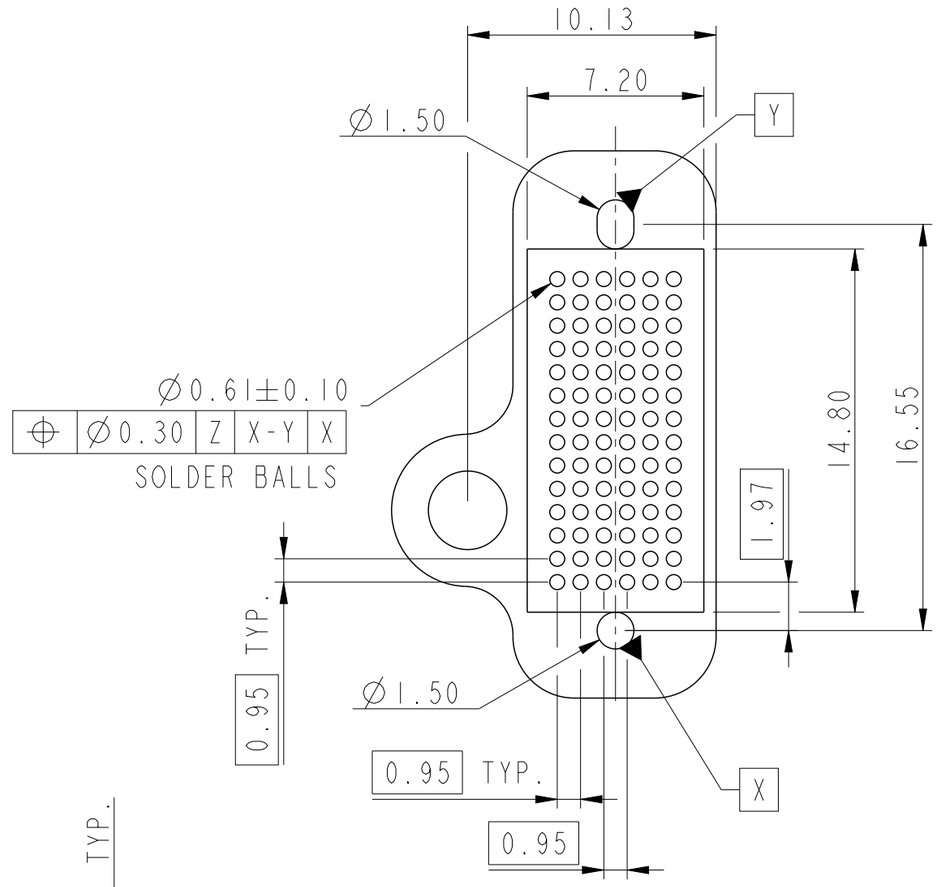
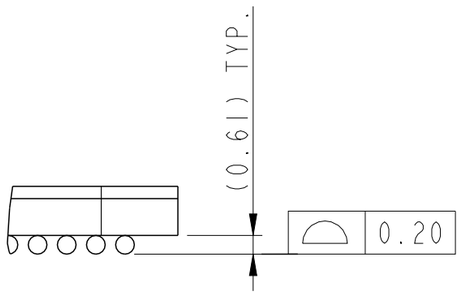
Product P/N	Wistron P/N	BGA Array Pattern
10129553-14460TxLF	550.0060D.0001	6X14
10129553-14460MxLF	550.0060D.0011	
10129553-14460WxLF	550.0060D.0021	







DETAIL G
SCALE 5:1

spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3	scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no	ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07				
				appr	Pei-Ming Zheng	2016/12/07	product family -		rel level	Released
surface ASME Y14.5	linear	0.X	±0.30	Amphenol FCi	title	Flex Cable BGA Assembly			dwg no	10129553	rev	B
		0.XX	±0.20			Brawn						
		0.XXX	±0.10		cat. no.	-	Product - Customer Drw			sheet 8 of 11		
	angular	0°	±2°									

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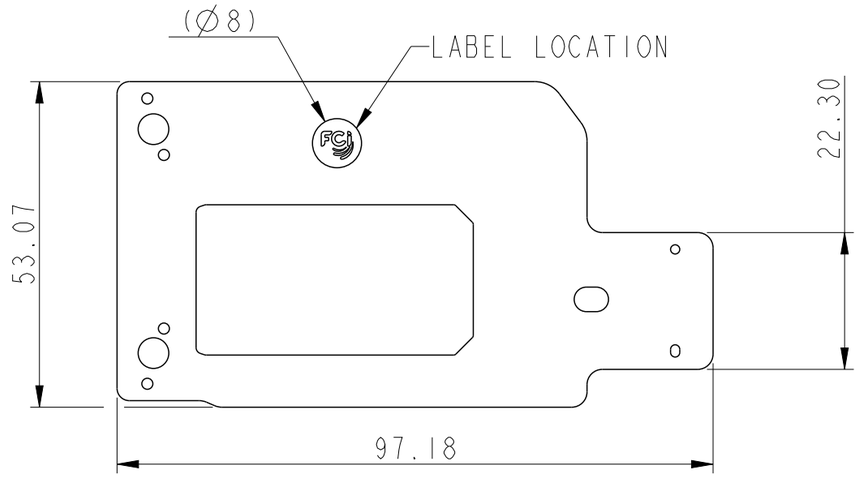
Creo File - REV E - 2016-02-12

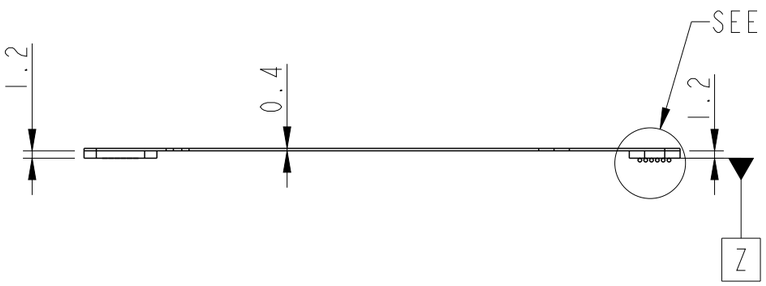
PDS: Rev :B

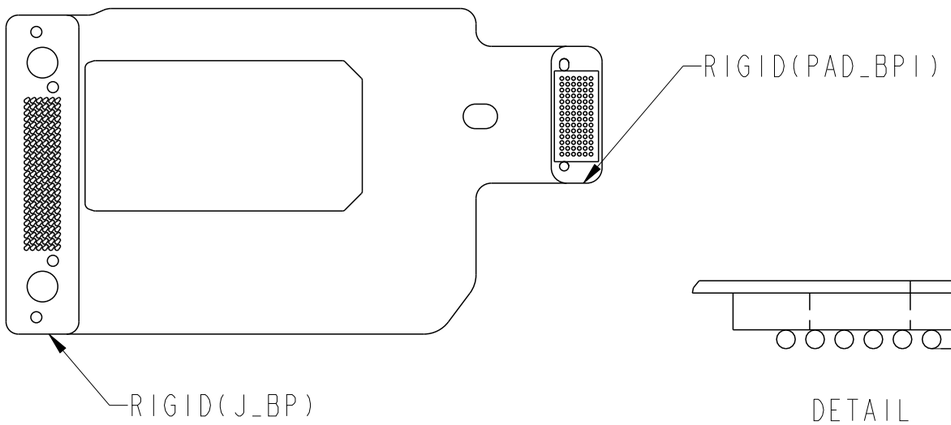
STATUS:Released

Printed: Dec 07, 2016

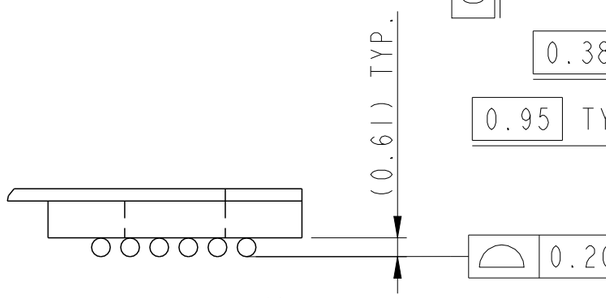
Product P/N	Wistron P/N	BGA Array Pattern
10129553-1446ITxLF	550.00505.0011	6X14
10129553-1446IMxLF	550.00502.0001	
10129553-1446IWxLF	550.00505.0021	



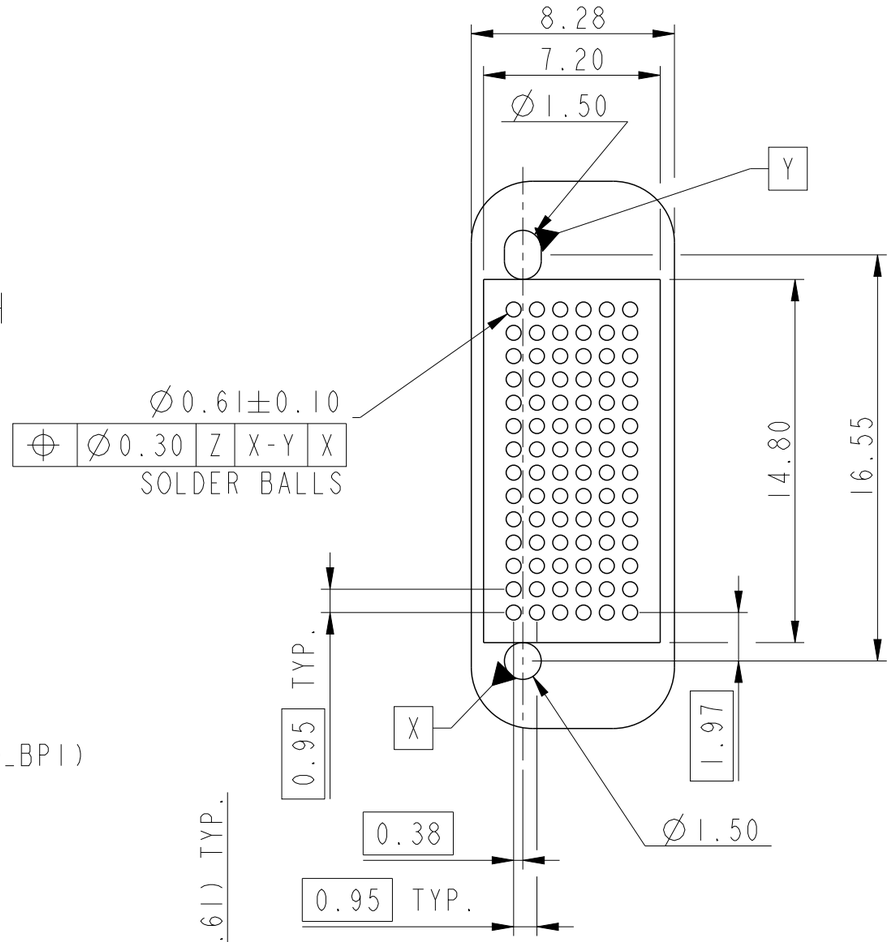




SCALE 1:1



DETAIL H
SCALE 5:1



SCALE 4:1

spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3	scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no	ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07				
				appr	Pei-Ming Zheng	2016/12/07	product family	-	rel level	Released
surface ASME Y14.5	linear	0.X	±0.30	Amphenol FCi	title	Flex Cable BGA Assembly	dwg no	10129553	rev	B
		0.XX	±0.20			Brawn				
		0.XXX	±0.10		cat. no.	-	Product - Customer Drw		sheet 9 of 11	
	angular	0°	±2°							

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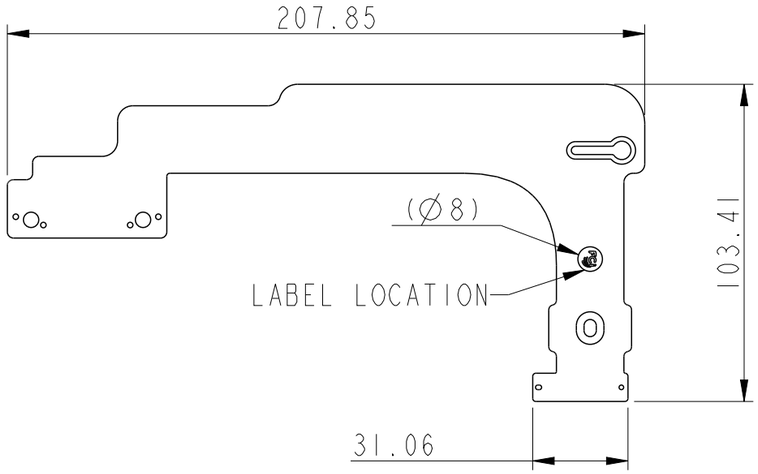
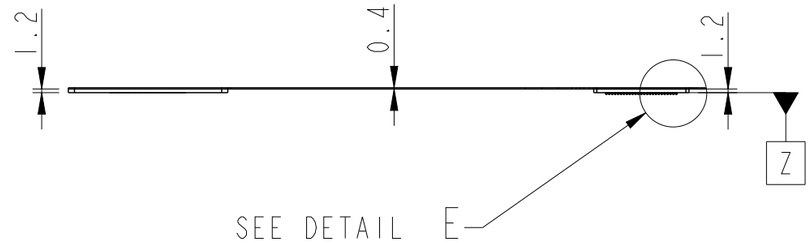
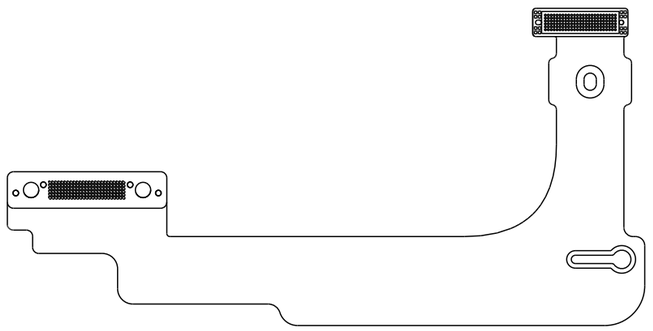
Creo File - REV E - 2016-02-12

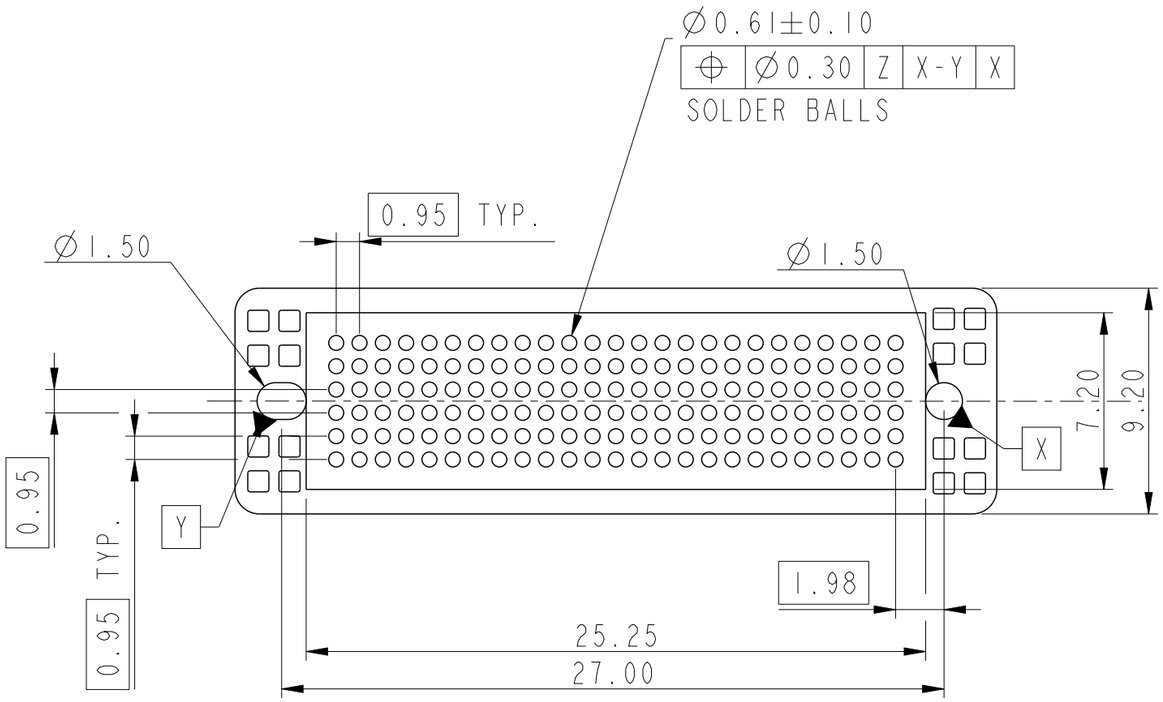
PDS: Rev :B STATUS:Released Printed: Dec 07, 2016

Product P/N	Wistron P/N	BGA Array Pattern
10129553-1453ITxLF	550.00507.0011	6X25
10129553-1453IMxLF	550.00507.0001	
10129553-1453IWxLF	550.00507.0021	

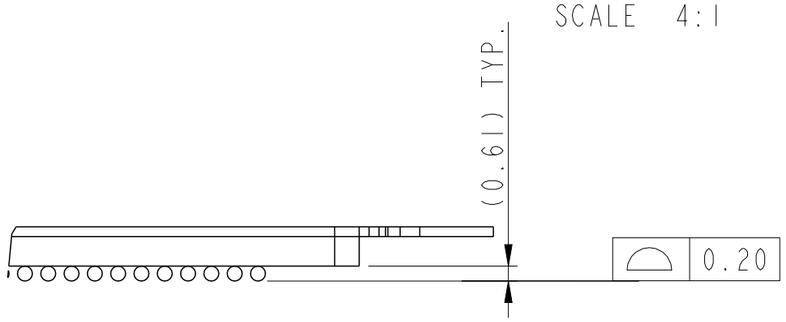








SCALE 4:1



DETAIL E
SCALE 4:1

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spec ref	-			dr	Zhen Luo	2016/08/18	projection	MM	size A3 / scale 1:2
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2016/12/07			ecn no ELX-DG-25561-1
				chr	Heaven Cen	2016/12/07			
				appr	Pei-Ming Zheng	2016/12/07	product family -		rel level Released
surface ASME Y14.5	linear	0.X	±0.30	Amphenol FCi	title: Flex Cable BGA Assembly / Brawn		dwg no 10129553		rev B
		0.XX	±0.20						
		0.XXX	±0.10						
	angular	0°	±2°		cat. no. -		Product - Customer Drw		sheet 10 of 11

PRODUCT PART NUMBER

10129553-□□□□□XXLF

- BASE NUMBER
- CODE (SEE TABLE)
- SUPPLIER:
  M:Multex
  T:TTM
  W:WuZhu
- PCB DESIGN:
  0: STANDARD
  1 TO N: NEW STACKUP
- LEAD FREE

CODE	Flex Cable code In Wistron
14430	14430
14426	14426
14425	14425
14423	14423
14424	14424
14428	14428
14429	14429
14460	14460
14461	14461
14531	14531

NOTES:
1. MATERIAL:
   FLEX CABLE
   SOLDER BALL: LEAD FREE 96.5Sn/3Ag/0.5Cu
   VENDOR: ALPHA

2. SOLDER BALLS WILL NOT BE PERFECT SHPERICAL SHAPE DUE TO REFLOW ATTACHMENT.

3. PRODUCT SPECIFICATION: GS-12-1183.

4. APPLICATION SPECIFICATION: GS-20-0391.

5. PACKAGE SPECIFICATION: GS-14-2365.

6. PRODUCT MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS DESCRIBED IN GS-22-08.

7. RATED VOLTAGE L80V-LESS THAN 80V

8. SHEAR FORCE OF SOLDER BALL:800GF MIN.

9. APPEARANCE STANDARD FOLLOWS IPC 6013 CLASS2 CRITERIA AND DELL PCB 10207.

10. MSL LEVEL:MULTEK:5 TTM:5A.

11. CONTACT RESISTANCE:
    MULTEK:10 OHM TTM:10 OHM

12. INSULATION RESISTANCE:
    MULTEK:10 MEGAOHM TTM:10 MEGAOHM

13. PCB WARPAGE CRITERIA:
    0.7% OF PCB LENGTH MAX.(BEFORE REFLOW)

14. IMPEDANCE REQUIREMENT.

100 +/-10 OHMS RISE TIME=70PS (20% TO 80%)	85 +/-10 OHMS RISE TIME=70PS (20% TO 80%)	50 +/-5 OHMS RISE TIME=100PS (10% TO 90%)
SAS AND PCIE PAD (DIFFERENTIAL PAIR)	SATA PAD (DIFFERENTIAL PAIR)	SIDE BAND PAD (POWER,GND,SIDE BAND SIGNALS)

15. DIMENSION WITH THE "( )" SYMBOL IS THE REFERENCE DIMENSION.

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spec ref	-	dr	Zhen Luo	2016/08/18	projection	MM	size A3 / scale 1:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2016/12/07			ecn no ELX-DG-25561-1
		chr	Heaven Cen	2016/12/07			
		appr	Pei-Ming Zheng	2016/12/07	product family -		rel level Released
surface ASME Y14.5	linear 0.X ±0.30 / 0.XX ±0.20 / 0.XXX ±0.10	Amphenol FCi	title: Flex Cable BGA Assembly Brawn		dwg no 10129553		rev B
	angular 0° ±2°		cat. no. -		Product - Customer Drw		sheet 11 of 11

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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