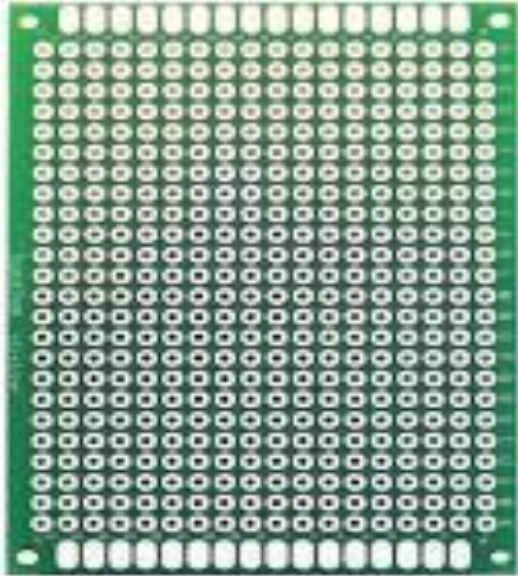


# Notification of PCB/PCBA under CRO

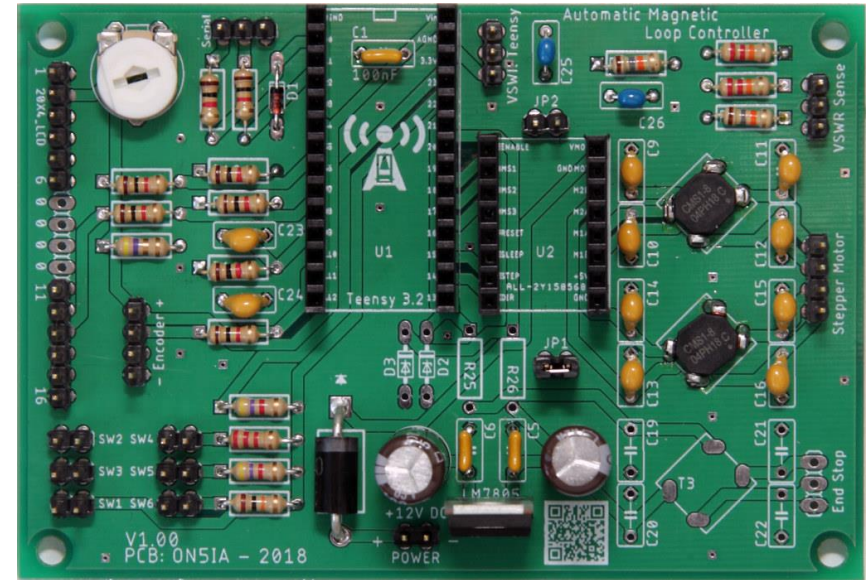
# Types Printed Circuit Board(s)

**Bare PCB**



**Covered under ITA**

**Populated PCB or PCB assembly (PCBA) :**



**PCBA of products non ITA are open for duty**

# PCB's – Market Size and Production

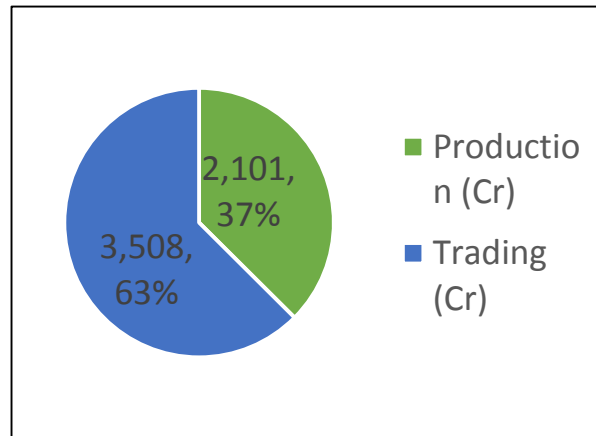
## As per Industry (FY19-20)

Category	Global Market Size		Domestic Market Size		Domestic Production	
	Value (Cr)	Volume (Mn)	Value (Cr)	Volume (Mn)	Value (Cr)	Volume (Mn)
PCB's	4,55,000	-	12,000	-	1,500	-

## As per GSTN (FY19-20)

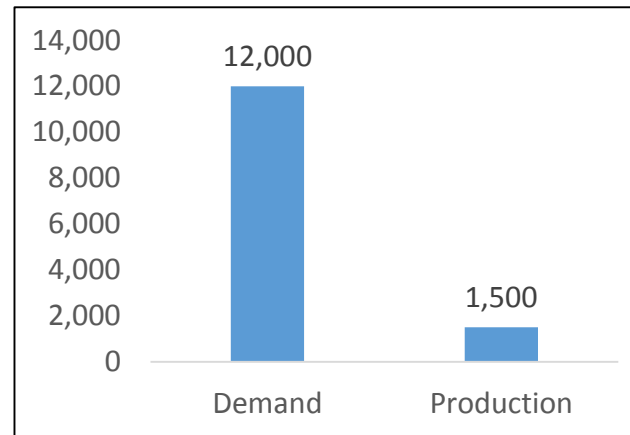
Product	Production Value (Cr)	Demand Value (Cr)
PCB's	2,101	5,608

Production Value met by Demand  
(FY19-20)



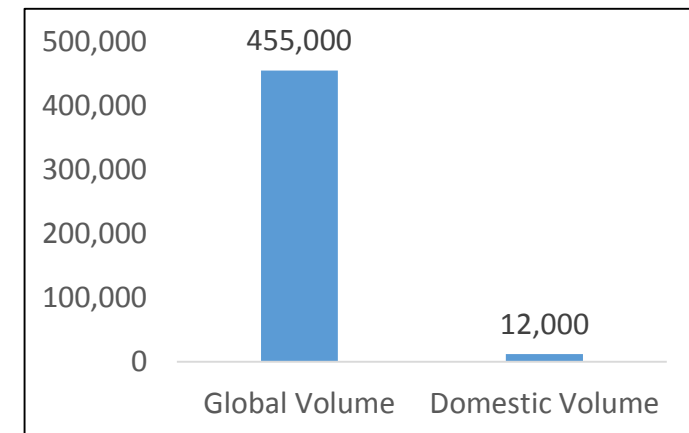
Source: GSTN

Domestic Demand Vs Domestic Production  
(Value in Crores)



Source: ICEA

Global Vs Domestic Market Size (Value in Crores)



# PCB's - Import and Exports

HS Code	Description	Import (Cr)			Export (Cr)		
		FY17-18	FY18-19	FY19-20	FY17-18	FY18-19	FY19-20
85340000	Printed Circuits	2,864	4,780	4,366	834	963	859
<b>PCB's Total</b>		<b>2,864</b>	<b>4,780</b>	<b>4,366</b>	<b>834</b>	<b>963</b>	<b>859</b>

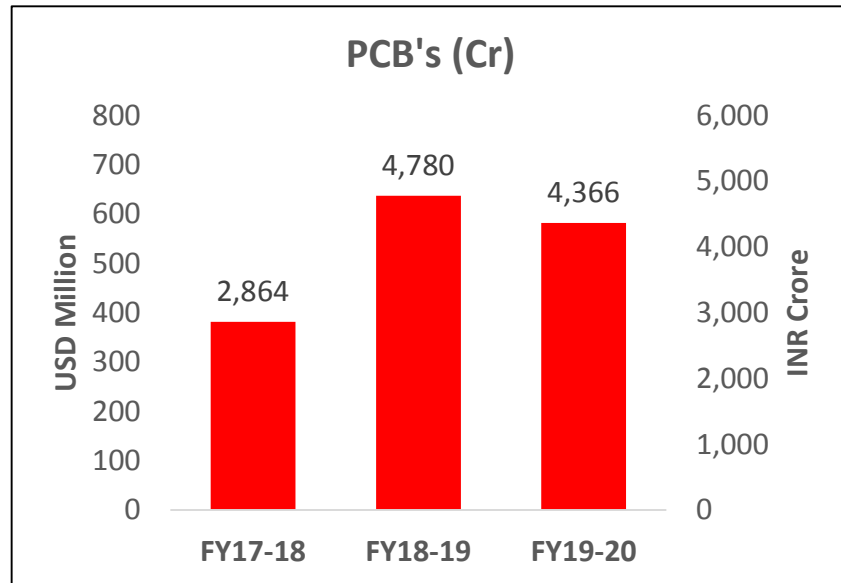
## Top Countries - Import

Country	% Share
China	44%
Hong Kong	30%
Korea	9%
Thailand	3%
Taiwan	3%

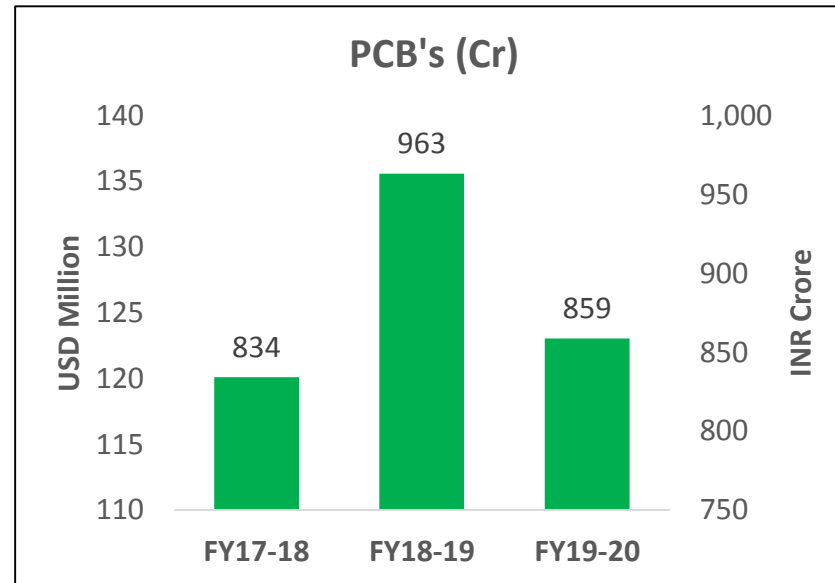
## Top Countries - Export

Country	% Share
Austria	38%
U S A	21%
France	10%
Mexico	6%
Germany	4%

## Imports (Cr)



## Exports (Cr)



## % Growth (Value)

	2018-19	2019-20
Import	67%	-9%
Export	15%	-11%

\* Import/Export values above are taken from DGCIS website.

# PCBA(s)

- PCBAs are used across the sectors.
- The PCBA of some electronic items are classified under 85177010, 85299090, 85049090, 84733099, 85229000 etc.
- The Several PCBA are not classified as parts of respective equipment e.g. consumer electronics, medical electronics and hence the import data of PCBA is not explicit.
- The import export data for such categories are placed at annex. However the percentage of PCBA in total is not clear.

# PCBAs for electronic items – Market Size and Production

113576/2020/HE & MT SECTION

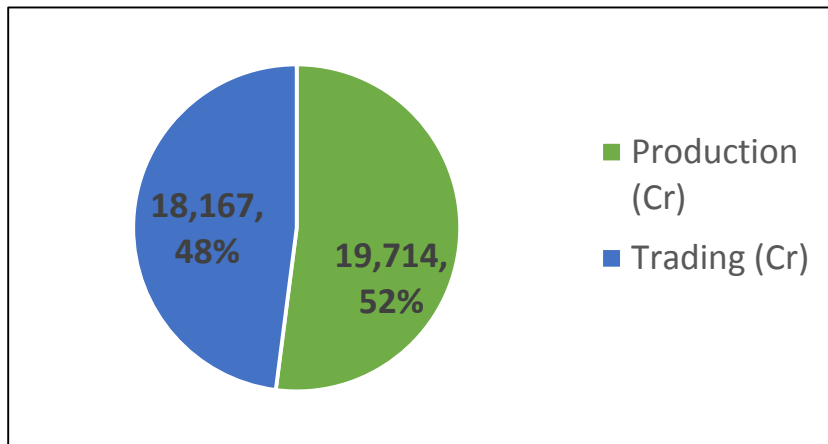
## As per Industry (FY19-20)

Category	Global Market Size		Domestic Market Size		Domestic Production	
	Value (Cr)	Volume (Mn)	Value (Cr)	Volume (Mn)	Value (Cr)	Volume (Mn)
PCBAs	-	-	-	-	-	-

## As per GSTN (FY19-20)

Product	Production Value (Cr)	Demand Value (Cr)
PCBAs	19,714	37,881

## Production Value met by Demand (FY19-20)



Source: GSTN

# PCBAs for electronic items – Import and Exports

HS Code	Description	Import (Cr)			Export (Cr)		
		FY17-18	FY18-19	FY19-20	FY17-18	FY18-19	FY19-20
84733099	*Others: Computer Cabinet Parts, Chassis, Graphics Card, Ram, Etc.	3,016	3,300	3,276	449	306	291
85049090	Prts Of Othr Electric Pwr Mchnry Of Hd 8504	2,052	3,205	3,266	491	614	786
85177010	Populated Pcb's Of Mobile Phone And Telecom Equipment	31,304	14,686	4,945	286	510	1,045
85229000	Music System Parts, Dvr Parts, Car Audio Parts	316	363	443	5	7	3
85299090	Parts Of Telecom Equipment'S And Television Sets	8,724	9,197	9,324	433	649	961
<b>PCBAs Total</b>		<b>45,411</b>	<b>30,752</b>	<b>21,254</b>	<b>1,664</b>	<b>2,086</b>	<b>3,087</b>

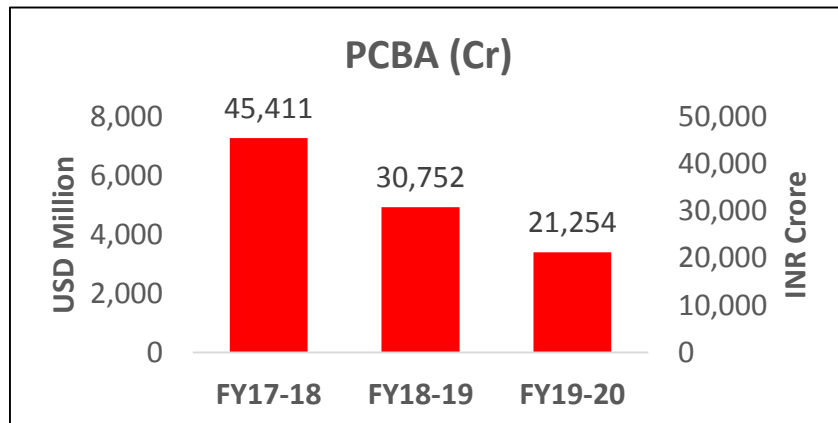
## Top Countries - Import

Country	% Share
China	51%
Hong Kong	15%
Vietnam	8%
Taiwan	4%
Malaysia	3%

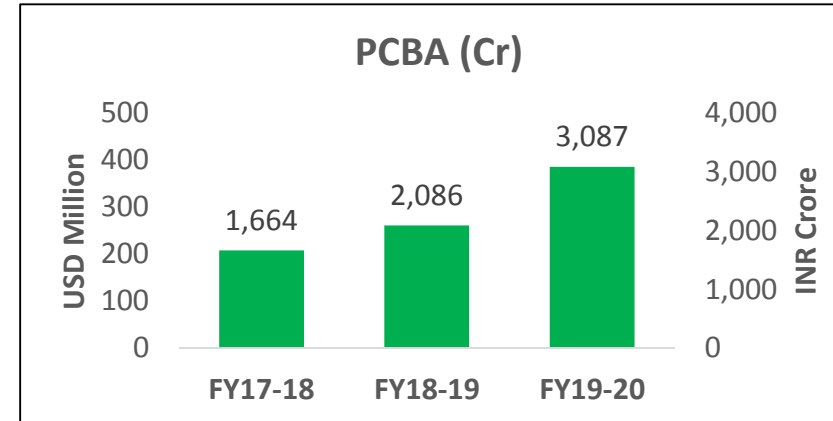
## Top Countries - Export

Country	% Share
China	26%
U S A	21%
France	7%
Israel	7%
Belgium	5%

## Imports (Cr)



## Exports (Cr)



## % Growth (Value)

	2018-19	2019-20
Import	-32%	-31%
Export	25%	48%

\* Import/Export values above are taken from DGCIS website.

# Concerns

- PCB /PCBA are one of the items having major imports .
- PCB has been included in the list of 371 items identified by Dept of Commerce for imposition or TR.
- Since it is basic building block for every electronic item, ensuring its safety is utmost important.
- The most common hazard by substandard PCB is fire hazard.
- Earlier, ( October, 2019) MeitY had consulted industry for imposition of TR on bare PCB. Industry has opposed the move indicating that it would create inverted kind of regulation wherein the bare PCB are regulated but populated PCBs are not regulated.
- The Hon'ble CIM has desired to impose import licensing measure on PCBAs. However, the industry opposed the move.
- The Department of Commerce has suggested to impose horizontal regulation on PCB and PCBAs wherein all types of PCB/ and PCBA would be included in the regulation.



# Proposal

- Inclusion of PCB and PCBA under the schedule of “Electronics and Information technology Goods(requirement of Compulsory Registration) Order, 2012” for compliance of **IS/IEC 60695: 2013** Part 11 section 10 ( Fire Hazard testing).
- This will applicable for each PCB /PCBA independently manufactured /imported.

Thank you